ABSTRACTS SUBJECT INDEX TO VOLUME 103

ABDOMEN, Congenital diaphragmatic occlusion of duodenum, with report of 3 cases; collective review, 1; surgery of diaphragm, 39; Cooper ligament repair for inguinal hernia, 39; plain radiography of, in pediatric practice, 94; radiologic help in diagnosis of emergencies involving, 94; mesenteric vascular occlusion, 161; value and limitations of radiology in acute conditions of, 199; surgical implications of nonthrombocytopenic purpura, 308; injuries of liver in 300 consecutive patients; collective review, 323; congenital anomalies of intestinal rotation in adult; collective review, 417; pancreatitis complicating operations on upper, 487; considerations with reference to 27 cases of primary retroperitoneal tumors, 488; management of thoracoabdominal casualty in combat zone, 557

Abdominal wall, Are cutis grafts still justified for management of large hernias of, 481; free mattressed fascia lata patches in repair of large incisional hernias of, 481

Abortion, Hyperandrogenism and habitual, 572

Abscess, Brain, and closed head injuries, 22; actinomycotic brain, 22; thyroid, 147; brain; experience in management of 15 consecutive cases in 2 years, 466

Acetabulum, Luxations of hip joint with fracture of, 401; protrusion of, in rheumatoid arthritis, 412

Achillodynia, Etiology and pathogenesis of, 185

ACTH, Treatment of acute pancreatitis with corticodepot, 45; role of, cortisone, and hydrocortisone in surgery, 81

Actinomycosis, Brain abscess due to, 22

Adamantinoma, Brief review of condition with description of case treated by immediate replacement with tantalum and acrylic prosthesis following resection of affected area of mandible, 237

Addison's disease, Surgery in, 497

Adenoacanthoma, In ovarian and intestinal endometriosis; report of case, 370

Adenoma, Of colon and rectum; with emphasis on therapy, 43; colon and anorectum in pediatric practice; collective review, 219; mammary carcinoma and chromophobe, of pituitary in rat, 349

Adenomatosis, Diffuse, of Langerhans insular apparatus; diagnosis and therapy of organic hyperinsulinism, 367

Adenomectomy, Juxtasphincteric ischiorectal prostatic, 181

Adrenal cortex, Patterns of response of thyroid gland and of, after operation, 82

Adrenalectomy, Bilateral, in treatment of cancer of breast, 103

Adrenal glands, Pheochromocytoma; value of certain tests used routinely in diagnosis, 384; report of case of pheochromocytoma, with regard to preoperative diagnostic problems, 384; management of patients with pheochromocytoma, including 2 case reports, 385; surgery in Addison's disease, 497; role of, and renal shunts in experimental tourniquet shock, 519

Alcohol, Effects of, on gastric mucosa, 408

Amebiasis, Intrathoracic manifestations of, 28; colon and anorectum in pediatric practice; collective review, 226

Ampulla of Vater, Survival for more than 5 years after pancreatoduodenectomy for cancers of, and pancreatic head, 268

Amputation, Degree of pseudarthrosis in midthigh, in relationship to prosthesis, 402

Anemia, Megaloblastic, of pregnancy and puerperium, 57; surgical aspects of, 307; supplementary notes on, in pregnant women; on origin and treatment of microcytic hypochromic, during toxemias in pregnancy, 494; megaloblastic, following gastric resection; report of 10 cases, 559

Anesthesia, Investigation of problems of acid-base equilibrium in hypothermia, 84; controlled hypotension in neurosurgery; clinical experiences with arfonad and hibernal, 84; study of denitrogenation with some inhalation systems for, 85; use of chlorpromazine in, and surgery, 85; untoward effects of spinal, on spinal cord and its investments, 85; in cesarean section; classical methods and new techniques, 176; accidents of local regional, and their treatment, 195; Marseilles conference on experimental intracardiac surgery under hibernation and hypothermia, 196; chlorpromazine; laboratory and clinical investigation, 198; cerebral purpura following efocaine, 198; developments in; surgeon's viewpoint, 300; experimental and clinical results with controlled hypothermia, 301; use of steroid (viadril) as agent for, 301; and supportive therapy during mitral commissurotomy, 301; complications of, during radical surgery about head and neck, 302; pediatric, 410; mortality rate of cholecystectomy with curarizing agent; study in series of cases, 486; use of controlled hypotension in operations on head and neck, 514; hypotensive, in surgery, 514; considerations concerning case of tetanus; first use of steroid for: 21-hydroxy-pregnandione succinate, 598

Aneurysms, Use of vessel grafts in treatment of popliteal, 77; resection of ruptured, of abdominal aorta, 79; resectional surgery of abdominal aorta; problems of case selection and operative technique, 79; of hepatic artery, 167; present status of surgical treatment of, of abdominal aorta, 191; physiological and surgical problems involved in resection of, of thoracic aorta, 191; excision of aortic, with restoration of circulation by aortorrhaphy or arterial graft; report of 5 cases, 294; hepatic artery; report of case and review of literature, 404; traumatic (false); hazard of undue delay in surgical treatment, 404; surgery in spontaneous subarachnoid hemorrhage; operative treatment of, on anterior cerebral and anterior communicating artery, 465; ruptured renal artery, in pregnancy; report of case with survival, 494; of renal artery, 497; rupture of, of abdominal aorta, 511

Angina pectoris, De-epicardialization; simple, effective surgical treatment for, 154

Angiography, In evaluation of intracranial trauma, 21; simultaneous total cerebral, 21; of extremities, 293; evaluation of vasodilatation in cerebral vessels, 347; study of expansile processes of occipital lobe, 347; type diagnosis of brain tumors through serial, 348

Angioma, Roentgen therapy of vertebral, 205; arteriovenous, of primitive olfactory artery or recurrent artery of Heubner, 549

Angiomatosis, Pharyngocervical, 241

Ankle, Diagnostic criteria of fibular collateral sprain of 185

Ankylosis, Temporomandibular joint, with mandibular retrusion, 138; surgical correction of complete bilateral, of mandible; report of case, 138

Anomalies, Treatment of congenital morphologic, of vulva and vagina, 48; congenital, of intestinal rota-

tion in adult; collective review, 417; congenital abnormalities of gallbladder with 101 cases; collective review, 439

Anorectocolitis, Postirradiation, 364

Anoxia, Protective effect of cysteamine against roentgen ray injury on ears of rabbits irradiated under conditions of complete, 97; vascular anomalies of mouse fetuses exposed to, during pregnancy, 276; technique of artificial respiration, 300

Antibiotics, Pseudomembranous (postoperative) enterocolitis as sequel to administration of, 42; advancement in treatment of surgical infections with strong local applications of, 83; strangulation obstruction; collective review, 124; colon and anorectum in pediatric practice; collective review, 229; importance and therapy of anaerobic infections, 309; injuries of liver in 300 patients; collective review, 329; strangulation obstruction—postoperative protection with, 562

Anus, Schoemaker's method of reconstructing sphincter of, 166; colon and anorectum in pediatric practice; collective review, 209, 214

Aorta, Simplified technique for division and suture of patent ductus arteriosus, 37; resection of ruptured aneurysms of abdominal, 79; resectional surgery of abdominal; problems of case selection and operative technique, 79; gumma of, simulating mediastinal tumor; report of case, 156; contraindications to surgical therapy of coarctation of, 157; present status of surgical treatment of aneurysms of abdominal, 191; physiological and surgical problems involved in resection of aneurysms of thoracic, 191; aneurysm of abdominal, involving right renal artery; report of case with preservation of renal function after resection and grafting, 294; excision of aneurysms of, with restoration of circulation by aortorrhaphy or arterial graft; report of 5 cases, 294; induced hypotension in surgery of coarctation in adults, 357; results of valvotomy for stenosis of, 357; closure of experimental septal defects of, under direct vision and hypothermia, 476; use of shunts in surgery of thoracic, 477; rupture of aneurysms of abdominal, 511; coarctation of; observation on 7 successfully treated cases, 554; coarctation of, associated with aneurysm, 555; experimental vascular grafts; effects of interposed autogenous segments on homologous grafts implanted into thoracic, of growing animals, 592

Aortography, Lumbar, in acute aortic embolism, 95; complications of translumbar; explanation and avoidance; experiences with new contrast preparation urografin, 199; acute pancreatitis following translumbar; case report with autopsy findings 7 weeks following, 403; abdominal and retroabdominal, 510; spinal cord lesions produced by, in dogs, 511

Arfonad, Controlled hypotension in neurosurgery; clinical experiences with, and hibernal, 84

Arm, Cancellous bone grafts of resected tuberculous joints in, 186; upper extremity prostheses in juvenile amputees, 583

Arteries, Bridging defects in large; problem for arteriogenesis, 76; homografts of; comparison of results with end-to-end and end-to-side vascular anastomoses, 77; experiences with replacement of segments of diseased femoral and popliteal, 77; role of venous circulation in treatment of occlusive peripheral disease of, 191; conservative treatment of gunshot wounds of, 294; grafts for, of compressed polyvinyl alcohol (Ivalon®) sponge; experimental study, 403; evaluation of human, after long storage in nutrient medium, 404; diagnosis in disease of, 509; function and structure of, as related to age; angiochemical study, 510; arteriovenous angioma of primitive olfactory, or recurrent, of Heubner, 549; cross-turned autogenous grafts of; 2 years' observations, 592

Arteriography, Latent thromboses after, 75; contribution to subject of thorotrast damage following, of cerebral blood vessels, 413

Arterioma, Bronchial, in childhood, 471

Arteriosclerosis, Sympathectomy and its indication in treatment of cerebral vascular diseases with, 248

Arteriosclerosis obliterans, Follow-up studies of iliofemoral arterial reconstruction in, 295

Arteritis, Clinical picture and treatment of temporal, 76; spontaneous digital, 510

Arthritis, Protrusio acetabuli in rheumatoid, 412

Arthrodesis, Results of tibiotarsal, in 17 cases, 586; results of Lambrinudi's, in paralytic pes equinus, 586

Arthrography of elbow joint, 94

Asbestos, New points of view on lung cancer of workers with, 552

Ascites, Production and evaluation of, secondary to isolated tricuspid insufficiency in dogs, 255

Asphyxia of newborn and its management, 274

Asthma, Indications for lung resection with presence of bronchial, combined with other pulmonary diseases, 30

Atomic bomb injuries, Late effects of, in Hiroshima and Nagasaki, 601

Atony, Studies concerning possible prophylaxis of postoperative, of stomach, 558; contribution to therapy of postoperative gastrointestinal, 558

Atropine, Increase of anatomic respiratory dead space after injection of, in man and dog, 301

Autolysis, Strangulation obstruction; collective review, 112

Bacteria, Strangulation obstruction; collective review, 106; influence of x-radiation on mortality following thermal flash burns; site of tissue injury as factor determining type of invading, 299; operative contamination in gynecological operations, 491

Bartholin gland, Carcinoma of, 271

Bile ducts, Strictures of common; studies in 122 cases, 45; postoperative follow-up of choledocholithiasis, 45; radiographic and other studies of biliary and pancreatic, 168; calculi in, 169; recurrent and residual stones in common, 169; spontaneous perforation of common, in infants, 266; cholangiographic findings in complaints after cholecystectomy, 266; operative cholangiography, 267; experiences with biligrafin in intravenous cholangiocystographies, 304; postoperative strictures of; etiology and treatment, 366; new studies of, by means of biligrafin, 412

Biliary tract, New method of exploration of; blocked cholecystography, 92; radiomanometry of, according to Caroli method on sarcophagus table; importance of duodenectomy in conjunction with choledochotomy, 168; postoperative bile duct strictures; etiology and treatment, 366; congenital abnormalities of gallbladder with 101 cases; collective review, 439; surgery of, 486; new problems of diagnosis, antibiosis, and disturbances of homeostasis in surgical disease of, 564; postcholecystectomy dyskinesia; with pancreatitis, sphincteritis, and choledocholithiasis as causes, 565

Biligrafin, Intravenous and oral cholecystography; comparison of results in 150 cholecystographies with, with those in 150 cholecystographies with iodobil, 200; experiences with, in intravenous cholangiocystographies, 304; new studies of bile passages by means of, 412

Biopsy, Salient points with reference to technique of needle, of kidney, 277

Bladder, Changes of urinary, in multiple sclerosis, 64; first reported cases of tumors of human, due to new carcinogen-xenylamine, 64; stenosis of vesical neck in children, 385; masculine incontinence of urine; etiol-

ogy, treatment, 390; cystometric findings in prostatic conditions, 392; sphincterometrography; new technique for studying physiology and pathology of urinary continence in female, 491; is cystitis cystica an innocent or malefic lesion, 500; study of 2,678 patients with initial carcinoma of, 500; morphologic changes of intestinal grafts used in reconstruction of, 500; end results in replacement of mucous membrane of urinary, with thick-split grafts of skin, 501; observations on ileocystoplasties and ureteroileocystoplasties, 575; injuries of, and urethra associated with fractures of pelvis, 577

Blepharophimosis, Further considerations on surgical correction of, (epicanthus), 238

Blood, Initial clinical data with reference to employment in gynecology of synthetic heparinoid, 50; use of, and plasma in surgical practice, 81; investigation of problems of acid-base equilibrium in hypothermia, 84; arterialization of, as it applies to mechanical heart-lung apparatus, 157; tumors and leucoses in mice induced by flax fibers and cigarette paper, 205; transmittable leucosis in mice produced by implantation of flax fibers, 205; Kurloff's bodies in leucoses of mouse subjected to implantation of flax fibers, 206; do relationships exist between groups based on type of, and cancer, studies on 2,145 carcinoma patients, 206; experience in measurement of loss of, and fluid loss at operation, 207; postpartum hemorrhage due to depletion of fibrinogen from circulating stream of, 274; hydrodextran in treatment of hemorrhagic shock; with plasma volume, blood volume, protein, and excretion studies, 299; surgical aspects of anemia, 307; shock, 308; thromboembolic disease in obstetrics and gynecology; value of early diagnosis and adequate treatment, 376; clotting studies in parturient women and newborn, 382; relation of volume of, to fat content of body, and deficits in volume of, in surgical patients, 414; preoperative and postoperative magnesium and calcium levels in, in patients with hypophysial tumors, 467; use of serial volumes of, and head-up tilts as important indicators of therapy in patients with bleeding from gastrointestinal tract, 482; persistence of antitoxin levels after tetanus-toxoid inoculation in adults, and effect of booster dose after various intervals, 514; effect of hypothermia on peripheral serum levels of free 17-hydroxycorticoids in dog and man, 517; pathologic study of intravascular coagulation following incompatible blood transfusion in dogs, 520; late effects of atomic bomb injuries in Hiroshima and Nagasaki, 601

Blood pressure, Portal pressure and medication by percutaneous splenic route; experimental study, 312; induced hypotension for neurosurgical procedures; critical analysis, 548

Blood transfusion, Intra-arterial; artificial oxygenation of bank blood; demonstration of our apparatus, 298; evaluation of problem of pathological reactions of, 512; postoperative hemorrhagic syndrome due to incompatible, 512; pathologic study of intravascular coagulation following incompatible, given to dogs, 520

Blood vessels, Diverticulum approach to chambers of heart and great, 33; practical experience with prophylaxis of general thrombosis in gynecologic operations, 50; bridging defects in large arteries; problem for arteriogenesis, 76; use of grafts of, in treatment of popliteal aneurysms, 77; arterial homografts; comparison of results with end-to-end and end-to-side vascular anastomoses, 77; experiences with replacement of segments of diseased femoral and popliteal arteries, 77; some practical considerations in surgery of grafts of, 78; long term observations on freeze-dried vascular segments and sterilization by cobalt irradiation, 79; use of plastic fabrics as arterial prostheses, 79; roentgen examination in cases of occlusion of mesenteric, 90; intrauterine rupture of fetal, during labor, 176; role of venous circulation in treatment of occlusive peripheral arterial disease, 191; syndrome of costoclavicular compression of subclavian artery, 192; arteriogenesis induced by tubes of plastic mesh, 192; significance of terminal circulation in development of vascular disease and disturbances of blood flow; vasographic studies, 193; functional syndromes of lower limb due to arteriovenous communications on sole of foot, 193; sympathectomy and its indication in treatment of cerebral arteriosclerotic vascular diseases, 248; anomalous vascular supply associated with congenital pulmonary abnormality, 249; observations on experimental revascularization of kidney; preliminary report, 278; angiography of extremities, 293; significance of induced digital vasoconstrictive reflexes, 293; treatment of peripheral vascular diseases by adrenomedullectomy combined with lumbar sympathectomy, 293; follow-up studies of iliofemoral arterial reconstruction in arteriosclerosis obliterans, 295; surgery of large veins, 296; 2 to 4 year behavior of vein grafts in lower extremities, 297; anastomoses between retinal and ciliary arterial circulations, 339; angiographic evaluation of vasodilatation in cerebral vessels, 347; acute focal lesion of spinal cord with syndrome of occlusion of anterior spinal artery; report of 3 cases, 350; experimental researches on method of myocardial revascularization; cardiac graft of pedunculated segment of jejunum freed of mucosa, 357; results of valvotomy for aortic stenosis, 357; morphologic studies of, in cardinal ligament in cancer of cervix; stereometric study in models with use of reconstructive methods, 369; acute pancreatitis following translumbar aortography; case report with autopsy findings 7 weeks following aortogram, 403; arterial grafts of compressed polyvinyl alcohol (Ivalon®) sponge, experimental study, 403; evaluation of human arteries after long storage in nutrient medium, 404; traumatic (false) aneurysms; hazard of undue delay in surgical treatment, 404; evaluation of radical surgery for postthrombophlebitic syndrome, 405; contribution to subject of thorotrast damage following arteriography of cerebral, 413; treatment of anomalous pulmonary venous connections in association with interatrial communications, 474; use of shunts in surgery of thoracic aorta, 477; management of patients with portal hypertension undergoing venous shunt surgery, 485; puerperal vasomotor collapse in patients with toxemia of pregnancy; new concept of etiology and rational plan of treatment, 495; abdominal and retroabdominal aortography, 510; function and structure of arteries as related to age; angiochemical study, 510; spontaneous digital arterites, 510; gradual occlusion of, 511; intraosseous venography in skeletal and soft tissue abnormalities, 516; role of adrenals and renal shunts in experimental tourniquet shock, 519; phlebographic study of hemispheric tumors, 545; roentgenogram of aneurysmal and ectatic dilatations occurring in pulmonary vascular system, 550; coarctation of aorta; observation on 7 successfully treated cases, 554; coarctation of aorta associated with aneurysm, 555; findings in vascular system of kidney during calculus formation in experimental animals, 575; treatment of thromboembolism, 591; Leriche's syndrome, 592; experimental vascular grafts; effects of interposed autogenous segments on homologous grafts implanted into thoracic aorta of growing animals, 592; cross-turned autogenous arterial grafts; 2 years' observations, 592

Bone, Hypertrophic pneumo-osteoarthropathy, 27; considerations with reference to instance of familial Os-

good-Schlatter disease, 69; fifteen years of medullary nailing, 73; observations on osteitis deformans of Paget, 183; bilateral cystic dystrophy of os lunatum of carpal bones in instance of osteopoikilosis; anomalous morphology of osteopoikilotic opacity, 184; process of repair "in vitro" of fractures of embryonic, 189; treatment of tuberculosis of, and joints complicated by pulmonary lesions, 189; physiologic considerations in orthopedic surgery, 189; central fibrosarcoma of, 287; experimental comparison of freeze-dried and frozen cortical healing of graft of, 292; epiphysial injury following frostbite, 299; osseous manifestations of lymphogranuloma and lymphosarcoma, 305; sclerosing osteogenic sarcomatosis; radiologic entity, 305; skeletal lesions following internally administered radium, 307; Fanconi syndrome; metabolic studies on its treatment, 397; Paget's osteodystrophy and sarcomatous degeneration, 397; osteogenic sarcoma; study based on 133 patients, 398; excisional surgery in treatment of skeletal tuberculosis, 399; intraosseous venography in skeletal and soft tissue abnormalities, 516; some less common lesions of, affecting jaws, 542; fibrogenesis imperfecta ossium; generalized disease of, characterized by defective formation of collagen fibers of matrix of, 583; histiocytic granulomatosis, 583; round cell tumors, of, 583; Sudeck's atrophy in hand, 584; "dynamic osteosynthesis" according to Rush, valuable complement to Küntscher nailing, 587; plastic surgery in problems which pertain to, 594

Brachioradialis muscle, So-called styloiditis radii, tenopathy of, 67

Brain, Simultaneous total cerebral angiography, 21; angiography in evaluation of intracranial trauma, 21; abscess of, and closed head injuries, 22; actinomycotic abscess of, 22; reconstructive surgery of hand in cerebral palsy and spastic paralysis resulting from injury to spinal cord, 70; posttraumatic epilepsy, 149; simultaneous bilateral resection for pulmonary tuberculosis in mental patients, 153; case of chorioepithelioma presenting with subarachnoid hemorrhage, 174; cerebral purpura following efocaine anesthesia, 198; enormous mucocele of posterior sphenoethmoidal sinus with chiasmatic syndrome, 347; angiographic evaluation of vasodilatation in cerebral vessels, 347; contribution to angiographic study of expansile processes of occipital lobe, 347; type diagnosis of tumors of, through serial angiography, 348; diagnosis of tumor of, in older age groups, 348; contribution to subject of thorotrast damage following arteriography of cerebral blood vessels, 413; new case of cerebral coenurosis, 465; anatomic, roentgen, and surgical study of anterior choroidal artery, 465; surgery in spontaneous subarachnoid hemorrhage; operative treatment of aneurysms on anterior cerebral and anterior communicating artery, 465; abscess of; experience in management of 15 consecutive cases in 2 years, 466; cerebellopontine angle syndrome from neurinomas of 9th, 10th, and 11th nerves, 467; roentgen therapy of cerebral gliomas, 467; phlebographic study of hemispheric tumors, 545; dermoids and epidermoids of central nervous system; clinical evaluation, 546; metastatic tumors of, and their localization, 547; concerning conservation of apparently normal zones during hemispherectomy, 548; emergency operation of intracerebral hematoma, due to rupture of voluminous aneurysm of middle cerebral artery; recovery, 548; arteriovenous angioma o primitive olfactory artery or recurrent artery o Heubner, 549; measuring pituitary fossa from radiographs, 599

Branchial apparatus, So-called branchiogenic cysts and fistulas, 245

Branchial artery, Segmental arterial spasm of; report of case treated by instillation of procaine into median nerve, 76

Breast, Account of 3 cases of neoplastiform plasma-celled mastitis, 25; paraffinoma of, 25; carcinoma of, in male, 25; spread of mammary cancer, 25; microscopic findings in preoperatively irradiated cancer of, 26; results obtained by preoperative radiation in 343 cases of carcinoma of, 26; new method of mammaplasty by double wedge-shaped excision and submuscular suspension of gland, 26; radiologic diagnosis of affections of mammary gland, 89; bilateral adrenalectomy in treatment of cancer of, 103; management of metastatic mammary cancer, 151; endocrine treatment of metastatic cancer of, 151; total adrenalectomy and oophorectomy for carcinoma of, 152; differential section of spinothalmic tract to relieve pain from carcinoma of, 248; malignant recurrences; operative indications and results, 311; technique of wound closure following radical mastectomy, 351; acute mastitis, 382; Paget's disease of nipple; review of 25 cases with reference to melanin pigmentation of "Paget cells", 469; inflammatory carcinoma of; critique of therapy, 469; treatment of carcinoma of, in aged, 550; 5 year survival of patients with cancer of, operated upon using authors' technique, from 1945 to 1950, 550

Breech, Presentation by; study of 654 cases, 494

Bronchiectasis, Treatment of, by resection, 250; solitary cyst formation due to, 251

Bronchography, Compatibility of, with water soluble contrast material in lung tuberculosis, 28; tomography and, in diagnosis of primary pulmonary neoplasms, 251

Bronchospirometry, Bronchial blockade test and, as combined method of preoperative pulmonary function test, 550

Bronchus, Combined radiotherapy and resection for carcinoma of; experiences with 66 patients, 31; traumatic rupture of, 152

Brunner's glands, Role of, in intrinsic resistance of duodenum to acid peptic digestion, 562

Burns, Experimental study of renal circulation in, 195; successful treatment of 80 per cent, 299; influence of x-radiation on mortality following thermal flash; site of tissue injury as factor determining type of invading bacteria, 299; treatment of, 408; method of skin grafting for, using "open air" principle, 513; primary excision after third degree, 596

Calcinosis of kidney, 497

Calculus, Bilateral and recurrent renal; evidence indicating renal collagen abnormality and results of salicylate therapy, 497; influence of diet on urinary citrate excretion, 502; findings in vascular system of kidney during formation of, in experimental animals, 575

Cancer, Surgery of, of hypopharynx, 20; breast, in male, 25; spread of mammary, 25; microscopic findings in preoperatively irradiated, of breast, 26; results obtained by preoperative radiation in 343 cases of breast, 26; relationship of tumors and localization of bronchial, to ventilation of lungs and their changes through exogenous influences; chronic bronchitis, pneumonia, and smoking, 30; primary, of lung; clinicopathologic analysis of 43 autopsies with critical review of literature, 30; combined radiotherapy and resection for, of bronchus; experiences with 66 patients, 31; report concerning therapy of 500 cases of, of lungs, 31; statistics concerning subtotal gastrectomy for, 40; late proctitis following radiotherapy of, of uterine cervix, 42; problems of cellular and tissue differentiation in papillary, of ovary, 47; of ovary;

286 cases treated at Women's Clinic, University of Helsinki, 1934–1948, 47; preoperative diagnosis of tubal, 47; surface, in region of uterine cervix, 49; potentialities and results of therapy for, with radioactive gold, 51; of cervix during pregnancy, 55; of penis in man circumcised in infancy, 66; progress against, with radioisotopes, 97; observations on urinary tract 4 to 7 years after total pelvic exenteration and wet colostomy, 101; bilateral adrenalectomy in treatment of, of breast, 103; of lip; with reference to predisposing influence of sunlight and other climatic factors, 145; involvement of dental pulp by malignant tumors of oral cavity, 147; management of metastatic mammary, 151; endocrine treatment of metastatic breast, 151; total adrenalectomy and oophorectomy for, of breast, 152; argentaffin, of ileum with raised serum 5-hydroxytryptamine; report of case, 165; primary, of gallbladder; review of 33 male cases and literature, 167; reappearance of cervical, 30 years after treatment with radium, 171; association of thecoma and uterine adenocarcinoma, 173; pregnancy and, of cervix; significance of cytologic findings, 175; functional derangements of liver in prostatic, and their role in prognosis and treatment of this disease, 180; treatment of, of prostate, 180; effect of celandine alkaloids on growth of ascites tumors in mice, 206; do relationships exist between blood groups and; studies on 2,145 patients with, 206; colon and anorectum in pediatric practice; collective review, 224; epidermoid, of lacrimal sac, 238; diagnosis and present day therapy of, of paranasal sinuses, 240; differential section of spinothalmic tract to relieve pain from, of breast, 248; pulmonary lesions simulating, 253; operability of bronchial, with pleural effusion, 253; early changes of, in stomach, 259; resection of rectosigmoid for, with preservation of sphincteric function, 261; treatment of primary and metastatic, of liver, 263; survival for more than 5 years after pancreatoduodenectomy for, of ampulla and pancreatic head, 268; behavior of ribonucleinic acid in intraepithelial, and in precancerous lesions of cervix uteri; histochemical and histophotometric study, 270; radical vaginal hysterectomy for, of collum uteri, 270; prognosis of primary ovarian, with particular reference to embryonic tumors, 271; elective re-exploration for management of metastases; case of apparent cure of ovarian, with metastases, 271; of Bartholin gland, 271; diagnosis of, in female genital organs by smears; 3 year survey of results, 272; of prostate gland; 5 year survival following antiandrogenic treatment, 284; use of nitrogen mustard in treatment of serous effusions of neoplastic origin, 309; malignant change in erythema ab igne, 310; malignant melanoma; clinical and pathologic analysis of 93 cases; is prophylactic lymph node dissection indicated, 310; sunlight as environmental factor in, of skin, 311; malignant recurrences; operative indications and results, 311; operative treatment of local recurrences or metastases of, 311; results of surgical treatment of, of tongue, 342; of larynx; laryngectomy after radiotherapy, 346; mammary, and chromophobe adenomas of pituitary in rat, 349; study of problem of recurrence of, at anastomotic site following resection of colon for, 363; observations on treatment of, of rectum, 363; papillary hepaticogastrostomy, 365; accidentally encountered cervical, 369; morphologic studies of blood vessels in cardinal ligament in, of cervix; stereometric study in models with use of reconstructive methods, 369; spread of cervical, 369; radical vaginal hysterectomy and extraperitoneal pelvic lymphadenectomy for, of cervix, 370; possibility of extension of, of corpus uteri in radical surgery, 370; symposium on malignant tumors of ovary, 371; postgranulomatous, of vulva, 372; pelvic findings in women past age of 65, 373; Wilms's tumor; its treatment and prognosis, 389; experience with honvan (St 52-ASTA) in treatment of metastatic, of prostate, 393; of thyroid gland; clinical analysis and evaluation of therapy in 144 patients, 463; inflammatory, of breast; critique of therapy, 469; bronchogenic, in persons under 40 years of age, 472; thyroid metastasis from bronchogenic carcinoma, 472; treatment of metastatic pulmonary malignancy, 472; development of, in gastric stump after partial gastrectomy for ulcer, 483; of stomach; analysis of 1,152 cases, 483; of stomach; report on cases treated by total gastrectomy, 484; indications and results of surgery for gastric; clinicostatistical study of 356 cases, 485; of uterine cervix stages 0 and 1; generalities, means of diagnosis, and combined therapy, 489; surgical treatment of cervicovaginal, invading bladder and urethra; indications and results of anterior pelvic exenteration, 489; metastatic, of ureter, 499; study of 2,678 patients with initial, of bladder, 500; of male and female urethra; pathology and diagnosis, 501; classification of, of testicle, 502; conservative treatment of, of prostate, 502; malignant melanoma, 516; hormonal influences on growth and progression of; tests for hormone dependency in mammary and prostatic, 518; primary squamous cell, of frontal sinus, 543; primary, of uvula; report of 7 cases, 544; nasopharyngeal; account of cranial nerve lesions found in 185 cases, 544; treatment of, of breast in aged, 550; 5 year survival of patients with breast, operated upon using authors' technique, from 1945 to 1950, 550; new points of view on pulmonary, of asbestos workers, 552; preoperative diagnosis of bronchial, 553; end results of total gastrectomy for, 560; ovarian; clinicopathologic facts, 567; primary, of vulva at Institute of Gynecology of University of Brazil, 568; prophase index in diagnosis of gynecological, 571; of female urethra, 571; of chorion treated with urethane, 574; histopathologic concepts pertaining to treatment of prostatic, 579; treatment of endometrial adenocarcinoma; study of 381 cases at New York Hospital; preliminary report, 599; statistical and anatomoclinical considerations in reference to 308 cases of multiple, 603

Cardiospasm, And esophagitis; experimental study of esophagogastric sphincter, 555

Carotid artery, Thrombosis of internal, 347

Carotid body, Tumors of, 464

Cartilage, Uptake of labelled sulfate injected into host animal by homografts of, 101

Castration, Osteoporosis following, 173

Cataracts, In vitamin E deficiency; experimental study in turkey embryo, 461

Cecum, Volvulus of, 261

Celandine, Effect of alkaloids of, on growth of ascites tumors in mice, 206

Cell, Survival theory of, versus replacement theory, 312

Cerebral artery, Emergency operation of intracerebral hematoma due to rupture of voluminous aneurysm of middle; recovery, 548

Cervix, Surface carcinoma in region of, of uterus, 49; cancer of, during pregnancy, 55; reappearance of carcinoma of, 30 years after treatment with radium, 171; pregnancy and carcinoma of; significance of cytologic findings, 175; behavior of ribonucleinic acid in intraepithelial carcinoma and in precancerous lesions of cervix uteri; histochemical and histophotometric study, 270; accidentally encountered cancer of, 369; morphologic studies of blood vessels in cardinal ligament in cancer of; stereometric study in models with use of reconstructive methods, 369; spread of carcinoma of, 369; radical vaginal hysterectomy and extraperitoneal pelvic lymphadenectomy for cancer

of, 370; cancer of uterine, stages 0 and 1; generalities of condition means of diagnosis, and combined therapy, 489
Cesarean section, Use in difficult labor in primigravidas, 57; anesthesia in; classical methods and new techniques, 176; repeat; analysis of 162 repeat, in 143 cases as to sequelae and impressions concerning validity of initial sections, 379; patients with four or more, 493
Cheek, Tumors of; observations on etiology, differential diagnosis, and methods of approach by mean of surgery, 139
Children, Primary kidney tumors of, 60; urethrocele in infant, 61; urethral obstruction in; use of urethrography in diagnosis, 64; plain radiography of abdomen in pediatric practice, 94; clinical considerations for practitioner in tumors of, 103; rectal hemorrhage in babies from functional mesenteric intestinal infarction, 166; fracture callus in, and senescence, 188; colon and anorectum in pediatric practice; collective review, 209; congenital capillary hemangiomas of parotid gland; lesion characteristic of infancy, 237; spontaneous perforation of common bile duct in infants, 266; stenosis of vesical neck in, 385; tuberculosis of testicle in infant, 394; pediatric anesthesia, 410; bronchial arterioma in, 471; Meckel's diverticulum in; report of 115 cases, 485; congenital urinary tract obstructions in, 503; new way of treating flat feet in, 508; chronic otitis in, 542; diagnosis and treatment of intussusception in, 561; upper extremity prostheses in juvenile amputees, 583; fractures in, 587; results of treatment of fresh transverse supracondyloid fractures of humerus in; 62 cases, 588; treatment of generalized acute and peracute tetanus in newborn and, 597
Chlorpromazine, Use of, in anesthesia and surgery, 85; laboratory and clinical investigation, 198
Cholangiography, Operative, 267
Cholecystitis, Acute; analysis of 61 cases, 365
Cholecystography, Reliability of, 44; new method of exploration of biliary tract: blocked, 92; intravenous and oral; comparison of results in 150 cases of, with biligrafin with those in 150 with iodobil, 200
Choriocarcinoma, Treated with urethane, 574
Chorioepithelioma, False, 51; case of, presenting with subarachnoid hemorrhage, 174; malignant ectopic, during menopause, with consideration of so-called primary, of liver, 374; value of pelvic arteriography in diagnosis of mole and, 516; considerations with reference to cases of, 570
Choroid, Mechanism of serous detachment of; review and experimental study, 338
Choroidal artery, Anatomic, roentgen, and surgical study of anterior, 465
Circulation, Reversed, in lower extremities, 77; effects of interrupting hepatic blood flow, 166; significance of terminal, in development of vascular disease and disturbances of blood flow; vasographic studies, 193; extracorporeal, by means of artificial heart-lung system, 553; acute peripheral failure of, in surgical cases; treatment with 1-noradrenaline, 596; effect of periston and periston "n" on Evans blue, 604
Citrate, Depressing influence of diet on urinary excretion of, 502
Clavicle, Treatment of acromiocoracoclavicular dislocations, 506
Clostridium welchii, Strangulation obstruction; collective review, 123
Clubfeet, Treatment of congenital, with Denis-Browne splints, 288
Cobalt, Long term observations on freeze-dried vascular segments and sterilization by irradiation done with, 79
Coenurosis, New case of cerebral, 465
Colitis, Primary one-stage proctocolectomy in ulcerative, 165; total colectomy for ulcerative, 166
Collapse therapy, Morphology of lung after, from point of view of resection therapy, 470
Collective review, Congenital diaphragmatic occlusion of duodenum with report of 3 cases, 1; strangulation obstruction, 105; colon and anorectum in pediatric practice, 209; lipomas of mediastinum, 1940 to 1955, 313; injuries of liver in 300 consecutive patients, 323; congenital anomalies of intestinal rotation in adult, 417; congenital abnormalities of gallbladder with 101 cases, 439; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease, 521
Colon, Pseudomembranous (postoperative) enterocolitis as sequel to administration of antibiotics, 42; cortisone in ulceration of; final report on therapeutic trial, 42; adenomas of, and rectum; with emphasis on therapy, 43; ileum following colectomy, 94; multiple polyposis of, osteomatosis, and soft-tissue tumors; report of familial syndrome, 103; and anorectum in pediatric practice; collective review, 209; total colectomy and anterior resection of rectum with ileorectal anastomosis; one-stage operation for ulcerative colitis, 261; trends in treatment of tumors of rectum, rectosigmoid, and left, 261; relation of megacolon and megaloureter, 281; idiopathic chronic ulcerative colitis and regional enterocolitis, 304; surgical treatment of diverticulitis of, 362; study of problem of recurrence of carcinoma at anastomotic site following resection of, for carcinoma, 363; acute obstruction of, 563
Conception and delivery following construction of artificial vagina; report of case, 495
Constipation, Colon and anorectum in pediatric practice; collective review, 229
Coracoid process, Treatment of acromiocoracoclavicular dislocations, 506
Cornea, Experience in clinical examination of sensitivity of; sensitivity of, and nasolacrimal reflex after retrobulbar anesthesia, 140; treatment of gross opacification of, by lamellar and annular lamellar keratoplasty, 140; problems of homoplastic grafting as applied to, 461; viability of fresh and frozen, as determined in tissue culture, 542
Coronary artery, Scientific basis for surgical treatment of disease of, 36
Cortisone, In ulcerative colitis; final report on therapeutic trial, 42; role of ACTH, hydrocortisone and, in surgery, 81; hydrocortisone acetate in treatment of Dupuytren's contracture as well as of allied conditions, 189
Cranial nerve, nasopharyngeal carcinoma; account of, lesions found in 185 cases, 544
Cranium, Extradural hemorrhage; factors responsible for high mortality rate, 247; alterations of base of, in meningiomas of olfactory groove, 468
Curare, Mortality rate of cholecystectomy with; study in series of cases, 486
Cystadenoma lymphomatosum, Benign epitheliolymphoid lesions of parotid gland: papillary, and Mikulicz's disease; collective review, 521
Cysteamine, Protective effect of, against roentgen ray injury on ears of rabbits irradiated under conditions of complete anoxia, 97
Cystinuria, Studies on treatment of, 396
Cysts, Pericardial, 36; surgery on polycystic kidney, 59; thyroid tissue and dermoid, of ovary; problem of ovarian goiter, 103; dermoid, of nose; presentation of 7 cases, 143; of osteoarthritis of hip; radiologic and pathologic study, 185; so-called branchiogenic, and fistulas, 245; solitary bronchiectatic formation of

251; lymphatic, of mesentery; review of literature and report of 2 cases, 259; case of solitary, of kidney containing tumor, 278; dilatation of inferior extremity of ureter due to, 282; of ascending mesocolon, 362; large solitary nonparasitic, of liver; cystadenomas, 364; benign tumors of diaphragm, 480; apical aerated pulmonary, determined by means of thoracoscopic examination, 552; thymogenic tumors and, 557; solitary, of liver with segmental abnormal embryonal development, 565

Deformity, Congenital absence of radius, 183; colon and anorectum in pediatric practice; collective review, 210; observations on correction of saddle-nose, 240; congenital, of vertebral bodies, 401

Dermoids, Epidermoids and, of neural axis, 466; and epidermoids of central nervous system; clinical evaluation, 546

Diabetes, And pregnancy, 377; excision and drainage for infections of foot with gangrene in, 414

Diabetes insipidus, Posttraumatic; clinical and pathologic study with 4 pertinent cases, 22

Diagnosis, Congenital diaphragmatic occlusion of duodenum, with report of 3 cases; collective review, 1; criteria for, of fibular collateral sprain of ankle, 185; radiography with radioactive isotopes, 201; differential, of mediastinal tumors, 257; of cancer in female genital organs by smears; 3-year survey of results, 272; of brain tumor in older age groups, 348; importance of, by thoracotomy in surgery of lung, 358; ultrasonics in ocular, 459; in arterial disease, 509; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521, 524, 533; preoperative, of bronchial carcinoma, 553; new problems of antibiosis, disturbances of homeostasis, and, in surgical biliary tract disease, 564; prophase index in, of gynecological cancer, 571

Diaphragm, Congenital occlusion of duodenum by; with report of 3 cases; collective review, 1; surgery of, 39; roentgenkymographic studies of mobility of, following thoracic operations, 479; benign cystic tumors of, 480; esophageal hiatal hernia; prevalence, diagnosis, and treatment in American city of 30,000, 481

Diaphragmatic hernia, Operation on true and false, 357; compound; report of 5 cases, 557

Digestion, Role of Brunner's glands in intrinsic resistance of duodenum to acid peptic, 562

Digits, Spontaneous arteritis of, 510

Dislocation, Early and delayed surgical treatment of Monteggio's fracture with, 70; recurrent, of shoulder; 24 year study of Johannesburg stapling operation, 289; results of treatment of congenital, of hip between birth and 5 years of age, 289; treatment of residual hip subluxation by intertrochanteric osteotomy, 290; modification of Nicola's operation in recurrent, of shoulder, 399; results of realignment operation for recurrent, of patella, 400; recurrent anterior, of shoulder, 506; treatment of acromiocoracoclavicular, 506

Diverticula, Of stomach, 161

Diverticulitis, Surgical management of, 360; surgical treatment of, of colon, 362; sigmoid; surgical management; report of 23 cases, 563

Diverticulum, Congenital abnormalities of gallbladder with 101 cases; collective review, 444; Meckel's, in children; report of 115 cases, 485

Ductus arteriosus, Simplified technique for division and suture of patent, 37

Duodenectomy, Contribution to biliary radiomanometry using Caroli method on sarcophagus table; importance of, in conjunction with choledochotomy, 168

Duodenum, Congenital diaphragmatic occlusion of; with report of 3 cases; collective review, 1; benign and malignant tumors of, 96; concept of etiology of ulcer of stomach and; Caldwell lecture, 1955, 359; considerations in surgical treatment for ulcer of, 361; Billroth-1 and Polya operations for ulcer of; comparison, 361; pseudoulceration of stomach and, produced by traction diverticula, 412; gastroduodenal ulceration complicating other diseases, 482; role of Brunner's glands in intrinsic resistance of, to acid peptic digestion, 562

Dupuytren's contracture, Indications for skin grafting in primary treatment of, 86; hydrocortisone acetate in treatment of, and allied conditions, 189; prognosis and treatment of, 190

Dye, Visualization of thoracic duct with use of vital; experimental research and first clinical application, 603

Dysgerminoma, Anatomoclinical observations of, of ovary; statistical contribution, 490

Dysuria, Is cystitis cystica an innocent or malefic lesion, 500

Ear, Transtympanic mobilization of stapes for impaired hearing due to otosclerosis; preliminary report, 240; preservation and restoration of function in otology, 339; functional goals in mobilization of stapes, 339; temporal bone surgery in otitis media and mastoiditis; indications, purposes, and aims of different operative procedures, 339; treatment of chronic otitis in children, 542

Eclampsia, Treatment of imminent, 55; etiology of pre-eclampsia; extracellular and intracellular fluid changes and electrolyte balances, 58; conquest of, 175; new procedure for therapy of, 572

Edema, Abnormalities of human superficial cutaneous lymphatics associated with stasis ulcers, scars, cutaneous autografts, and, 99

Efocaine, Cerebral purpura following anesthesia with, 198

Elbow, Arthrography of, 94

Electricity, Treatment of unexpected cardiac arrest by external stimulation of heart with, 595

Electrolytes, Etiology of pre-eclampsia-eclampsia; extracellular and intracellular fluid changes and balances of, 58

Embolism, Lumbar aortography in acute aortic, 95; pulmonary, 470

Emphysema, Surgical treatment in tuberculosis complicated with pulmonary, 351

Endometriosis, Pathogenesis of; experimental study, 173; adenoacanthoma in ovarian and intestinal, report of case, 370; clinical diagnosis and therapy of; malignant evolution of, 569

Endometrium, Glandular cystic hyperplasia and tuberculosis of, 270

Enterobiasis, Colon and anorectum in pediatric practice; collective review, 226

Environment, Malformations and developmental disorders, 414

Eosinophils, Granuloma with; benign inflammatory fibroid polyps of stomach, 515

Epidermoids and dermoids of neural axis, 466

Epilepsy, Posttraumatic, 149

Epithelioma, Papillary, of renal pelvis; case presentation, 575

Esophagitis, Etiology and treatment of peptic, 477; hemorrhagic peptic, after esophagogastric anastomosis for megaesophagus, 555; cardiospasm and; experimental study of esophagogastric sphincter, 555

Esophagoscopy, Complications of gastroscopy and, 558

Esophagostome, Management of, pharyngostome, and associated fistulas, 544

Esophagus, Peptic esophagitis, peptic ulcer of, and marginal esophagogastric ulceration, 37; treatment of hernia in hiatus of, 39; inflammatory lesions of, and stomach, 89; spontaneous rupture of; report of case cured by conservative treatment, 158; surgical treatment of idiopathic megaesophagus; value of Heller operation; considerations and results, 158; case of multiple leiomyomas of, 159; inhibited separation of larynx and upper part of trachea from, in newborn; report of case successfully operated upon, 245; surgical treatment of achalasia of, 256; lower web of, 256; surgical treatment of benign stenosis of, 257; lower ring of, 411; surgical treatment of megaesophagus, 477; emergency and definitive treatment of bleeding varices of, 478; experimental observation of single layer anastomosis of, 478; hernia through hiatus of; prevalence, diagnosis, and treatment in American city of 30,000, 481

Evans blue, Effect of periston and periston "N" on, 604

Exercises, Value of antenatal, 376

Exophthalmos, Two lesions causing traumatic pulsating, 23

Experiments, Transplantation of teeth in lower animals, 462; closure of aortic septal defects under direct vision and hypothermia, 476; observation of single layer esophageal anastomosis, 478; study of trauma to distal femoral epiphysis in rabbits, 507; spinal cord lesions produced by aortography in dogs, 511; gradual vascular occlusion, 511; ventricular fibrillation in hypothermic state; role of extrensic cardiac innervation, 519; role of adrenals and renal shunts in tourniquet shock, 519; research with reference to influence of megaphen on revivication time of kidney of rat, 519

Eye, Primary degeneration in vicinity of chamber angle as etiologic factor in wide-angle glaucoma, 16; peripheral iris crypts; in relation to medical and surgical therapy of narrow-angle glaucoma, 16; mortality rates in glaucomatous subjects, 17; effects of high energy particles, x-rays, and aging on lens epithelium, 17; retrobulbar pneumography and stratigraphy in visualization of optic nerve, 88; experience in clinical examination of corneal sensitivity; corneal sensitivity and nasolacrimal reflex after retrobulbar anesthesia, 140; treatment of gross corneal opacification by lamellar and annular lamellar keratoplasty, 140; aqueous pathways in some cases of glaucoma, 141; cyclodiathermy; results in various types of glaucoma, 141; uveitis; clinical and statistical survey, 141; oxygen inhalation in retinal arterial occlusion; preliminary report, 142; fat embolism of retina; demonstrated by flat retinal preparation, 142; hemangiopericytoma of orbit, 142; radioactive phosphorus (P^{32}) uptake test in ophthalmology; review of literature and analysis of results in 262 cases of ocular and adnexal disease, 238; epidermoid carcinoma of lacrimal sac, 238; sarcoidosis of lacrimal glands associated with Sjögren's syndrome; their relationship with Mikulicz syndrome, 238; further considerations on surgical correction of blepharophimosis (epicanthus), 238; further investigations on virus of Behçet's disease, 239; caliber changes in retinal vessels occurring in raised ocular tension; circulatory compensation in chronic glaucoma, 239; study of retinoblastoma, 239; ocular manifestations of prematurity, 240; some applications of radioactive isotopes in ophthalmology, 338; mechanism of serous choroidal detachment; review and experimental study, 338; anastomoses between retinal and ciliary arterial circulations, 339; ultrasonics in ocular diagnosis, 459; primary glaucoma; etiology and general considerations, 460; tolerance of high tension in glaucoma, 460; corneoscleral trephining, 460; problems of homoplastic grafting as applied to cornea, 461; cataracts in vitamin E deficiency; experimental study in turkey embryo, 461; glial tumors of retina in relation to tuberous sclerosis, 461; viability of fresh and frozen corneas as determined in tissue culture, 542

Facial nerve, Operative treatment of paralysis of, 349

Fat, Relation of blood volume to content of, in body, and blood volume deficits, in surgical patients, 414

Feet, New way of treating flat, in children, 508

Femur, Umbau of neck of, after rickets, 190; internal fixation in displaced intracapsular fractures of neck of, 290; osteotomy and osteotomy combined with bone grafting for nonunion following fracture of neck of, 290; degree of pseudarthrosis in midthigh amputation in relationship to prosthesis, 402; pathology of slipping of upper epiphysis of, 505; study of experimental trauma to distal epiphysis of, in rabbits, 507; chondrosarcoma of proximal portion of, treated by resection and bone replacement; 6 year result, 584

Fetus, Can bleed; 3 clinicopathological pictures, 175; intrauterine rupture of vessels of, during labor, 176; unusual spontaneous face delivery; live, in good condition with head rotated 180 degrees on vertebral axis, 275; vascular anomalies of mouse, exposed to anoxia during pregnancy, 276

Fever, Story of puerperal, from 1800 to 1950, 380

Fibromyxoma of parietal pleura, 474

Fissures, Colon and anorectum in pediatric practice; collective review, 227

Fistulas, So-called branchiogenic cysts and, 245; management of pharyngostome, esophagostome, and associated, 544

Fluid, Experience in measurement of blood loss and loss of, at operation, 207

Foot, Functional syndromes of lower limb due to arteriovenous communications on sole of, 193; treatment of congenital clubfeet with Denis-Browne splints, 288; soft tissue coverage for injuries to, and leg, 409; excision and drainage for infections of, with gangrene in diabetic, 414; congenital vertical talus, 585; results of Lambrinudi's arthrodesis in paralytic pes equinus, 586

Forearm, Restoration of lost rotation of, and hand by intentional permanent defect in lower ulna, 505

Fractures, Early and delayed surgical treatment of Monteggio's luxation with, 70; suggestion for surgical treatment of spiral, with two or three fragments of metacarpal bones, 71; avulsion, of distal phalanges of hand in relation to insertion of extensor tendons; lesions of Segond, 72; surgical treatment of recent, of malleoli, 72; 15 years of medullary nailing, 73; investigation of various mineral substances, phosphatases, cholesterins, total protein and urea content and changes of serum protein in cases of, and of, with internal fixation, 74; importance of muscular factor in process of consolidation of bone, 187; fatigue, of ulna, 187; treatment of, and pseudarthrosis of scaphoid with central grafting (autogenous bone peg), 187; callus in, in childhood and senescence, 188; process of repair "in vitro" of, of embryonic bone, 189; internal fixation in displaced intracapsular, of femoral neck, 290; osteotomy and osteotomy combined with bone grafting for nonunion following, of femoral neck, 290; luxations of hip joint with, of acetabulum, 401; considerations with reference to treatment of transverse, of tibia, 507; fibrogenesis imperfecta ossium; generalized disease of bone characterized by defective formation of collagen fibers of bone matrix, 583; in children, 587; "dynamic osteosynthesis" according to Rush, valuable complement to Küntscher nailing, 587; results of treatment of fresh transverse supracondyloid, of humerus in child;

62 cases, 588; when is treatment of tibial plateau, with compression screws indicated, 589; spontaneous, of bone and renal osteopathy, 590
Frostbite, Epiphysial injury following, 299
Funnel chest, Report of series of 100 cases, 159

GALLBLADDER, Reliability of cholecystography, 44; primary carcinoma of; review of 33 male cases and literature, 167; pathologic physiology of postoperative complications in cholelithiasis, 169; intravenous and oral cholecystography; comparison of results in 150 cholecystographies with biligrafin with those in 150 cholecystographies with iodobil, 200; technique and diagnostic possibilities of bile passages in instances of cholelithiasis, 265; cholangiographic findings in complaints after cholecystectomy, 266; studies of reservoir function of normal and inflamed, in dogs, 307; papillary hepaticogastrostomy, 365; acute cholecystitis; analysis of 61 cases, 365; congenital abnormalities of, with 101 cases; collective review, 439; mortality rate of cholecystectomy with curarizing agent; study in series of cases, 486; surgery of biliary tract, 486; precipitation of contrast medium in; report of case, 515
Gangrene, Excision and drainage for infections of foot with, in diabetic, 414
Gastrectomy, Subtotal, for peptic ulcer; 1 year to 4.5 year clinical and laboratory follow-up, 162; deficiency syndromes following, for ulcer, 163; hematologic changes following total, 359; mortal, 560
Gastrointestinal tract, Dumping syndrome; review of pathologic physiology of dumping, 39; plasmacytoma of, 161; therapy of perforated peptic and duodenal ulcers, 164; etiology and treatment of peptic esophagitis, 477; acute upper alimentary tract ulceration and hemorrhage following surgery or traumatic lesions, 482; use of serial blood volumes and head-up tilts as important indicators of therapy in patients with bleeding from, 482; Meckel's diverticulum in children; report of 115 cases, 485; undesirable sequelae of subtotal gastric resection, 559; acute obstruction of colon, 563
Gastromalacia; review and report of 1 case with recovery, 259
Gastroscopy, Complications of, and esophagoscopy, 558
Genital organs (female), Pathological study of genitalia following intrauterine radium therapy for benign conditions, 50; false chorioepithelioma, 51; glandular cystic hyperplasia and tuberculosis of endometrium, 270; diagnosis of cancer in, by smears; 3-year survey of results, 272; agenesis of müllerian ducts in adult, occurrence which has been questioned up to present time, 373; treatment of premenopausal bleeding with thermocautery and beta radiation, 373; 100 cases of vaginal hysterectomy, 490; clinical experience with 17-alpha-oxy-progesterone-17-capronate, 491; operative bacterial contamination in gynecological operations, 491; problem of ovarian aplasia, 567; implanting of endometrium in guinea pig for diagnosis of genital tuberculosis, 569; considerations with reference to cases of chorioepithelioma, 570
Genital organs (male), Transposition of cord, or funiculus spermaticus in surgical treatment of varicocele in human being, 182; transvesical prostatectomy with induced artificial hypotension by means of new ganglionic blocking agent, 285; male infertility—status of treatment, prevention, and current research, 286; total reduplication of penis, 392
Geriatrics, Progress against cancer with radioisotopes, 97; fracture callus in childhood and senescence, 188; recent progress in surgery of aged, 594
Glaucoma, Primary degeneration in vicinity of chamber angle as etiologic factor in wide-angle, 16; peripheral iris crypts; in relation to medical and surgical therapy of narrow-angle, 16; mortality rates in subjects with, 17; aqueous pathways in some cases of, 141; cyclodiathermy; results in various types of, 141; caliber changes in retinal vessels occurring in raised ocular tension; circulatory compensation in chronic, 239; primary; etiology and general considerations, 460; tolerance of high tension in, 460; corneoscleral trephining, 460
Gliomas, Roentgen therapy of cerebral, 467
Goiter, Surgery of nontoxic forms of, 241; radioiodine treatment of toxic, 243
Gold[198], Potentialities and results of cancer therapy with radioactive gold, 51; selective irradiation of lymph nodes by interstitial injection with, 600
Grafts, Arterial homografts; comparison of results with end-to-end and end-to-side vascular anastomoses, 77; some practical considerations in surgery of blood vessel, 78; long term observations on freeze-dried vascular segments and sterilization by cobalt irradiation, 79; indications for skin, in primary treatment of Dupuytren's contracture, 86; uptake of labelled sulfate injected into host animal by cartilage homografts, 101; cancellous bone, of resected tuberculous joints in upper extremity, 186; establishing skin bank; use and various methods of preservation of postmortem homografts, 204; experimental comparison of freeze-dried and frozen cortical healing of bone, 292; arterial, of compressed polyvinyl alcohol (Ivalon®) sponge; experimental study, 403; problems of homoplastic, as applied to cornea, 461; are cutis, still justified for management of large abdominal wall hernias, 481; morphologic changes of intestinal, used in bladder reconstruction, 500; end results in replacement of mucous membrane of urinary bladder with thick-split, of skin, 501; method of using skin, for burns using "open air" principle, 513; posterior operative fusion of sections of vertebral column with aid of internal splinting, 585; experimental vascular; effects of interposed autogenous segments on homologous, implanted into thoracic aorta of growing animals, 592; cross-turned autogenous arterial, 592
Granuloma, Difficulties in differential diagnosis of benign and malignant tumors and chronic intrathoracic, 153; gastric, with eosinophile infiltration; report of 2 cases, 304; plasma cell, of mediastinal lymph node with extension to right lung, 352; eosinophilic, of lung, 353; with eosinophils; benign inflammatory fibroid polyps of stomach, 515; caused by absorbable starch glove powder, 517
Granulomatosis, Histiocytic, 583
Groin, Use of scrotal skin to cover wound defects in, and pubic area, 504
Gynecology, Urinary tract injuries in obstetrics and, 52; thromboembolic disease in obstetrics and; value of early diagnosis and adequate treatment, 376

HAND, Reconstructive surgery of, in cerebral palsy and spastic paralysis resulting from injury to spinal cord, 70; suggestion for surgical treatment of spiral fractures with two or three fragments of metacarpal bones, 71; avulsion fractures of distal phalanges of, in relation to insertion of extensor tendons; lesions of Segond, 72; prognosis and treatment of Dupuytren's contracture, 190; restoration of lost rotation of forearm and, by intentional permanent defect in lower ulna, 505; Sudeck's atrophy in, 584; reconstructive surgery of, with injured central metacarpophalangeal joints, 585; repair of tendons in, 594
Harelip, Our present day surgery of, 143; quadrilateral Mirault flap operation for, 144
Head, Brain abscess and closed injuries of, 22; posttraumatic diabetes nsipidus; clinical and pathologic

study with 4 pertinent cases, 22; two lesions causing traumatic pulsating exophthalmos, 23; clinical picture and treatment of temporal arteritis, 76; series of 455 cases of parotid tumor, 236; comments on 35 cases of operated parotid tumors, 236; comments on 200 cases of operated parotid tumors, 236; complications of anesthesia during radical surgery about, and neck, 302; enormous mucocele of posterior sphenoethmoidal sinus with chiasmatic syndrome, 347

Hearing, Preservation and restoration of function in otology, 339

Heart, Traumatology of, from surgeon's viewpoint, 31; first cases of mitral insufficiency operated on by new technique, 32; discrepancies between subjective and objective responses to mitral commissurotomy, 32; surgical treatment of ischemic syndromes of, 33; diverticulum approach to chambers of, and great vessels, 33; direct vision suture of interatrial septal defect during hypothermia, 34; aortopulmonal anastomosis with use of arterial homoiotransplant for treatment of tetralogy of Fallot, 35; scientific basis for surgical treatment of coronary artery disease, 36; de-epicardialization; simple, effective surgical treatment for angina pectoris, 154; mitral insufficiency; experimental circular suture around atrioventricular ring, 155; clinical observations before and after mitral valvuloplasty; physical, radiologic, and electrocardiographic changes, 155; successful removal of myxoma from left atrium, 156; direct vision intracardiac surgery by means of reservoir of "arterialized venous" blood; description of simple method and report of first clinical case, 157; arterialization of blood as it applies to mechanical apparatus for, and lung, 157; disease of, in pregnancy, 175; Marseilles conference on experimental intracardiac surgery under hibernation and hypothermia, 196; traumatic injuries to, as result of blunt force, 254; pathologic findings in trauma to, 254; production and evaluation of ascites secondary to isolated tricuspid insufficiency in dogs, 255; histologic changes of autoplastic venous and pericardial transplants in left ventricle, 256; anesthesia and supportive therapy during mitral commissurotomy, 301; effect of pneumonectomy on, not fully capable of permanent function, 353; experimental contribution to direct cardiac massage, 355; special operations on surgery of mitral commissurotomy, 356; difficult mitral commissurotomies, 356; treatment of anomalous pulmonary venous connections in association with interatrial communications, 474; endocardial fibrosis simulating constrictive pericarditis; report of case with determinations of pressure in right side of, and eosinophilia, 474; one stage surgical correction of mitral and tricuspid stenosis; presentation of 3 cases, 475; late results of mitral valvulotomy, 475; open surgery of, under direct vision with aid of brain cooling by irrigation; experimental studies and report of clinical cases, including 3 successfully treated cases of atrial septal defect, 476; roentgen aspects of atrial septal defect, ostium secundum, 515; ventricular fibrillation in hypothermic state; role of extrinsic cardiac innervation, 519; extracorporeal circulation by means of artificial lung and, system, 553; Beck operations for coronary disease of; evaluation of 63 patients selected for operation, 554; is prognostication possible in mitral valvulotomy patients, 554; treatment of unexpected cardiac arrest by external electric stimulation of, 595

Hemangioma, Of kidney; comprehensive report of 2 cases, 61; congenital capillary, of parotid gland; lesion characteristic of infancy, 237; of mediastinum, 556

Hematemesis, And melena; with reference to causation and factors influencing mortality from bleeding peptic ulcers, 559

Hematoma, Prevention of postoperative, by use of compression suture, 596

Hemispherectomy, Concerning conservation of apparently normal zones during, 548

Hemorrhage, Case of chorioepithelioma presenting with subarachnoid, 174; fetus can bleed; 3 clinicopathological pictures, 175; colon and anorectum in pediatric practice; collective review, 218; extradural; factors responsible for high mortality rate, 247; postpartum; 5-year study at Queen of Angels hospital, 274; postpartum, due to depletion of fibrinogen from circulating blood stream, 274; hydrodextran in treatment of shock with; with plasma volume, blood volume, protein, and excretion studies, 299; injuries of liver in 300 consecutive patients; collective review, 329, 332; postpartum; its etiology and management, 379; surgery in spontaneous subarachnoid; operative treatment of aneurysms on anterior cerebral and anterior communicating artery, 465; emergency and definitive treatment of bleeding esophageal varices, 478; acute upper alimentary tract ulceration and, following surgery or traumatic lesions, 482; use of serial blood volumes and head-up tilts as important indicators of therapy in patients with, from gastrointestinal tract, 482; postoperative syndrome of, due to incompatible blood transfusion, 512; shock, pituitary deficiency, and, in puerperium; 22 cases, 573

Hemorrhoids, Colon and anorectum in pediatric practice; collective review, 228

Hepatic artery, Treatment of portal hypertension by ligation of; evaluation, 43; aneurysm of, 167; provisional results of treatment of portal hypertension in liver cirrhosis by ligation of, 263; aneurysm; report of case and review of literature, 404

Hernia, Treatment of esophageal hiatus, 39; Cooper ligament repair for inguinal, 39; operation on true and false diaphragmatic, 357; congenital anomalies of intestinal rotation in adult; collective review, 429, 430, 432; esophageal hiatal; prevalence, diagnosis, and treatment in American city of 30,000, 481; are cutis grafts still justified for management of large abdominal wall, 481; free mattressed fascia lata patches in repair of large abdominal incisional, 481; compound diaphragmatic; report of 5 cases, 557

Hibernation, Marseilles conference on experimental intracardiac surgery under, and hypothermia, 196

Hip, Acrylic prostheses in surgery of, 67; failures following reconstruction of, with acrylic prostheses, 68; cysts of osteoarthritis of; radiologic and pathologic study, 185; results of treatment of congenital dislocation of, between birth and 5 years of age, 289; treatment of residual subluxation of, by intertrochanteric osteotomy, 290; combined fusion of, and subtrochanteric osteotomy allowing early ambulation, 399; luxations of, with fracture of acetabulum, 401

Homotransplantation, Successful, of human kidney between identical twins, 280

Honvan, Experience with, (St-52-ASTA) in treatment of metastatic cancer of prostate, 393

Hormones, Clinical experience with 17-alpha-oxy-progesterone-17-capronate, 491; influences of, on growth and progression of cancer; tests for dependence of, in mammary and prostatic cancer, 518; hyperandrogenism and habitual abortion, 572; correlation between hypophysis and ovary; experimental histological research, 604

Hospital, Staphylococcus in; comparison of nasal and fecal carrier states, 309; virulence and phage patterns of antibiotic-resistant staphylococci in, 517

Humerus, Results of treatment of fresh transverse supracondyloid fractures of, in child; 62 cases, 588
Hydronephrosis, Diagnosis and treatment of ureteropelvic obstructions, 387; plastic repair of; description of new technique used in 10 cases, 575
Hypertension, Concerning portal, and indications for its operative management, 565
Hyperthyroidism, Bizarre clinical manifestations of, 342
Hypophysis, Preoperative and postoperative magnesium and calcium blood levels in patients with tumors of, 467; hormonal correlation between, and ovary; experimental histological research, 604
Hypospadias, Experience with Denis-Browne operation for, 579
Hypotension, Induced, in surgery of coarctation in adults, 357; use of controlled, in operations on head and neck, 514; anesthesia in surgery, 514; induced, for neurosurgical procedures; critical analysis, 548
Hypothermia, Direct vision suture of interatrial septal defect during, 34; investigation of problems of acid-base equilibrium in, 84; experimental and clinical results with controlled, 301; effect of, on peripheral serum levels of free 17-hydroxy-corticoids in dog and man, 517; ventricular fibrillation in; role of extrinsic cardiac innervation, 519

Ileum, Following colectomy, 94; diffuse nodular submucosal lipomatosis of, 165; argentaffin carcinoma of, with raised serum 5-hydroxytryptamine; report of case, 165; some uses of, in urology, 504
Incision, Anatomofunctional results of low transverse laparotomy, with regard to technique of section of rectus abdominis muscles directly through belly of muscle, 375
Incontinence, Colon and anorectum in pediatric practice; collective review, 217; masculine, of urine; etiology, treatment, 390; studies of urinary, in men, 580; postoperative urinary, in male, 581
Infections, Prevention and control of surgical, 82; advancement in treatment of surgical, with strong local antibiotic applications, 83; puerperal and abortional, due to aerobic nonhemolytic streptococci, 177; importance and therapy of anaerobic, 309; injuries of liver in 300 consecutive patients; collective review, 330; excision and drainage for, of foot with gangrene in diabetic, 414; rhinosporidiosis; study with report of fatal case of systemic dissemination, 415; new case of cerebral coenurosis, 465; treatment of urinary tract, with neomycin, 503; persistence of antitoxin levels after tetanus-toxoid inoculation in adults, and effect of booster dose after various intervals, 514; virulence and phage patterns of antibiotic-resistant staphylococci in hospital, 517; complications of gastroscopy and esophagoscopy, 558; tetanus in Southern Germany, 596; occurrence of tetanus in Finland; clinical study, 597; treatment of generalized acute and peracute tetanus in newborn and child, 597; therapeutic considerations concerning case of tetanus; first use of anesthetic steroid; 21-hydroxy-pregnandione succinate, 598
Infertility, Male; status of treatment, prevention and current research, 286
Intervertebral disc, Involvement of spinal cord by protrusions of, 247; lumbar and sacral compression radiculitis (syndrome of herniated lumbar,), 349
Intestines, Report on 4 cases of congenital obstruction of, 41; recurrent intussusception associated with hypertrophy of Peyer's patches, 41; pseudomembranous (postoperative) enterocolitis as sequel to administration of antibiotics, 42; roentgen findings in regional enteritis, 92; strangulation obstruction; collective review, 105; surgical physiology and management of acute obstruction of, 164; megaileum with partial strangulation, 165; colon and anorectum in pediatric practice; collective review, 210; adenomatous tumors of anterior foregut region showing cylindroma pattern, 260; volvulus of cecum, 261; intussusception; appraisal of present treatment, 360; surgical management of diverticulitis, 360; treatment of multiple polyposis of small, 361; congenital anomalies of rotation of, in adult; collective review, 417; morphologic changes of grafts of, used in bladder reconstruction, 500; diagnosis and treatment of intussusception in childhood, 561; strangulation obstruction —postoperative antibiotic protection, 562
Intussusception, Recurrent, associated with hypertrophy of Peyer's patches, 41; appraisal of present treatment, 360; diagnosis and treatment of, in childhood, 561
Iodine, Thyrotropin test in man using serum protein-bound, as indicator, 462
Iodine[131], Treatment of thyrotoxicosis with; review of 140 cases, 96; effect of propylthiouracil on biologic decay rate of, from thyroid gland in euthyroid and hyperthyroid subjects, 147; radioiodine treatment of toxic goiter, 243
Iodobil, Intravenous and oral cholecystography; comparison of results in 150 cholecystographies with biligrafin with results in 150 cholecystographies with, 200
Iris, Peripheral crypts of; in relation to medical and surgical therapy of narrow-angle glaucoma, 16
Iron, Shock hazard in occult deficiency of, 195
Ischemia, Necrosis of anterior tibial compartment musculature due to, 102
Isotopes, Diagnostic radiography with radioactive, 201; some applications of radioactive, in ophthalmology, 338

Jaw, Aspects of problems of radionecrosis of, 139; some less common bone lesions affecting, 542
Joints, Report of 2 cases of spina bifida with unusual peripheral osteoarticular manifestations, 74; arthrography of elbow, 94; bilateral cystic dystrophy of os lunatum of carpal bones in instance of osteopoikilosis; anomalous morphology of osteopoikilotic opacity, 184; cancellous bone grafts of resected tuberculous, in upper extremity, 186; arthrodesis of wrist, 186; division of tibial collateral ligament for removal of medial meniscus, 187; treatment of tuberculosis of bone and, complicated by pulmonary lesions, 189; roentgenologic manifestations of synovial sarcoma, 200; discoid meniscus in knee, 287; pigmented villonodular arthrosynovitis of knee; areas of Gandy-Gamna in extralineal location, 288; combined hip fusion and subtrochanteric osteotomy allowing early ambulation, 399; therapy, after treatment, and evaluation of meniscus injuries; experiences in 1,000 operations, 400; results of realignment operations for recurrent dislocation of patella, 400; syndrome of painful shoulder, 505; temperomandibular arthroplasty, 542; reconstructive surgery of hands with injured central metacarpophalangeal, 585; compression osteosynthesis with consideration of arthrodesis of knee, 586; results of tibial arthrodesis in 17 cases, 586; results of Lambrinudi's arthrodesis in paralytic pes equinus, 586

Kidney, Surgery on polycystic, 59; primary tumors of, of childhood, 60; hemangioma of; report of 2 cases, 61; leiomyomas of, 61; rare, and perhaps not previously described, malformation of renal pyramids and fornices, 178; lymph circulation of, and its significance for particular pathologic processes of, 178; surgical management of transcapular rupture of; 24 cases, 179; experimental study of renal circulation in burns, 195; acute renal insufficiency in obstetrics;

reference to treatment with artificial, 273; blunt injuries of; suggestions for treatment, and results thereof, 277; salient points with reference to technique of needle biopsy of, 277; observations on experimental revascularization of; preliminary report, 278; radiologic investigation of renal tuberculosis, 278; treatment of renal tuberculosis, 278; case of solitary cvsts of, containing tumor, 278; intrarenal lipoma, 278; prognosis in 46 tumors of renal pelvis surgically treated, 279; osteogenic sarcoma involving left, 279; successful homotransplantation of human, between identical twins, 280; pyelectasis, 281; aneurysm of abdominal aorta involving right renal artery; report of case with preservation of renal function after resection and grafting, 294; artificial; casuistics of further 26 cases of acute renal failure with anuria or severe oliguria (urine output less than 300 ml. daily) for 4 to 40 days treated conservatively and, on vital indication, with dialysis (26 cases) and ultrafiltration (1 case) of the blood in vivo, and peritoneal irrigation (1 case), 309; pregnancy and single; clinicostatistical contribution, 378; retrograde pyelography in different body postures, 385; hydronephrosis; diagnosis and treatment of uteropelvic obstructions, 387; calcification of, and calculus formation, 387; 16 year survival following nephrectomy for embyronal tumor of, together with contribution to clinical picture and prognosis of juvenile tumors of, 389; Wilms's tumor; its treatment and prognosis, 389; case of ureteritis cystica, with concomitant contribution to subject of hypertonia of unilateral diseases of, 389; clearance tests in urologic disease, 396; studies on treatment of cystinuria, 396; bilateral and recurrent renal calculi; evidence indicating renal collagen abnormality and results of salicylate therapy, 497; calcinosis of, 497; pathology of tumors of renal pelvis and ureter, 498; diagnosis of tumors of renal pelvis and ureter, 499; prognosis of primary tumors of renal pelvis and ureter, 499; ligation of inferior vena cava after nephrectomy, 509; experimental research with reference to influence of megaphen on revivication-time of kidney of rat, 519; findings in vascular system of, during calculus formation in experimental animals, 575; plastic repair of hydronephrosis; description of new technique used in 10 cases, 575; papillary epithelioma of pelvis of; case presentation, 575; spontaneous fracture of bone and renal osteopathy, 590

Knee, Division of tibial collateral ligament for removal of medial meniscus, 187; discoid meniscus in, 287; pigmented villonodular arthrosynovitis of; areas of Gandy-Gamna in extralineal location, 288; therapy, after treatment, and evaluation of meniscus injuries; experiences in 1,000 operations, 400; results of realignment operation for recurrent dislocation of patella, 400; chondromalacia of patella, 584; compression osteosynthesis with consideration of arthrodesis of, 586

Krukenberg tumor, 568

Labor, Primigravid; graphicostatistical analysis, 56; cesarean section; use in difficult, in primigravidas, 57; intrauterine rupture of fetal vessels during, 176; transitional anomalies of lumbosacral joint; prognostic element for trial of, in certain contracted pelves, 176; anesthesia in cesarean section; clinical methods and new techniques, 176; rupture and perforation of uterus in association with pregnancy, puerperium, and, 273; oxygen saturation determinations of newborn in vaginal delivery and cesarean section, 274; unusual spontaneous face delivery; live fetus in good condition with head rotated 180 degrees on vertebral axis, 275; discussion of proper place of surgical induction with review of its hazards, 378; repeat cesarean section; analysis of 162 repeat cesarean sections in 143 cases as to sequelae and impressions concerning validity of initial sections, 379; breech presentation; study of 654 cases, 494; conception and delivery following construction of artificial vagina; report of case, 495; vacuum extractor in clinical use, 572; delivery by means of suction cup, 573

Lacrimal glands, Sarcoidosis of, associated with Sjögren's syndrome; their relationship with Mikulicz syndrome, 238; epidermoid carcinoma of, 238

Laparotomy, Anatomofunctional results of low transverse incision for, with regard to technique of section of rectus abdominis muscles directly through belly of muscle, 375

Laryngeal nerve, Vulnerability of recurrent, at thyroidectomy, 147; surgical anatomy of recurrent, 148

Larynx, Papillomas of, with intraepithelial anaplastic changes, 19; inhibited separation of, and upper part of trachea from esophagus in newborn; report of case successfully operated upon, 245; glomus tumors (nonchromaffin paragangliomas) of; case report, 346; cancer of; laryngectomy after radiotherapy, 346

Legs, Reversed circulation in lower extremities, 77; observations on lymphatic fistula of lower limb, 80; ischemic necrosis of anterior tibial compartment musculature, 102; pathology and treatment of venous ulcers of, 295; soft tissue coverage for injuries to foot and, 409; sequelae of deep venous thrombosis of lower limbs; follow-up study of patients initially treated with active movements, 511; treatment of phlebitis of lower extremities by venous ligations, 591

Leiomyomas, Renal, 61; case of multiple, of esophagus, 159

Lens, Effects of high energy particles, x-rays, and aging on epithelium of, 17

Leriche's syndrome, 592

Leucosis, Transmittable, in mice produced by implantation of flax fibers, 205; tumors and, in mice induced by flax fibers and cigarette paper, 205; Kurloff's bodies in, of mouse subjected to implantation of flax fibers, 206

Lip, Crescenteric perialar cheek excision for flap advancement of upper; with short history of repair of upper, 144; cancer of; predisposing influence of sunlight and other climatic factors, 145

Lipoma, Intrarenal, 278; of mediastinum, 1940 to 1955; collective review, 313

Lipomatosis, Diffuse nodular submucosal, of ileum, 165

Lithiasis, Postoperative follow-up of, of choledochus, 45; calculi in biliary ducts, 169; recurrent and residual, in common bile duct, 169; pathologic physiology of postoperative complications in cholelithiasis, 169; rare, and perhaps not previously described, malformation of renal pyramids and fornices, 178; technique and diagnostic possibilities of bile passages in instances of cholelithiasis, 265; renal calcification and calculus formation, 387

Liver, Treatment of portal hypertension by hepatic artery ligation; evaluation, 43; effects of interrupting blood flow to, 166; functional derangements of, in prostatic cancer and their role in prognosis and treatment of this disease, 180; studies with reference to employment of new bile contrast preparation in healthy and hepatic diseased individuals, 199; report on 75 injuries of, 262; provisional results of treatment of portal hypertension in cirrhosis of, by ligation of hepatic artery, 263; treatment of primary and metastatic cancer of, 263; resection of left lobe of, for sarcoma, 264; injuries of, in 300 consecutive patients; collective review, 323; large solitary nonparasitic cysts of, cystadenomas, 364; 5 year survival after hepatic lobectomy for metastatic hypernephroma, 365; malignant ectopic chorioepithelioma during

menopause, with consideration of so-called primary chorioepithelioma of, 374; spontaneous rupture of, in pregnancy; report of case, 378; management of patient with portal hypertension undergoing venous shunt surgery, 485; concerning portal hypertension and indications for its operative management, 565; solitary cysts of, with segmental abnormal embryonal development, 565

Lumbago, Indications, technique, and results of operative and conservative treatment of syndrome of, and sciatica; 166 cases, 291

Lumbosacral joint, Transitional anomalies of; prognostic element for trial of labor in certain contracted pelves, 176

Lungs, Compatibility of bronchography with water soluble contrast material in tuberculosis of, 28; intrathoracic manifestations of amebiasis, 28; indications for resection of; or presence of bronchial asthma combined with other pulmonary diseases, 30; relationship of tumors and localization of bronchial carcinomas to ventilation of, and their changes through exogenous influences; chronic bronchitis, pneumonia, and smoking, 30; primary carcinoma of; clinicopathologic analysis of 43 autopsies with critical review of literature, 30; report concerning therapy of 500 cases of cancer of, 31; my method of treating middle basal cavities, 33; need for adequate pulmonary ventilation during surgical operations, 38; traumatic rupture of bronchus, 152; contribution to surgical treatment of chronic pneumonia, 152; resection in bilateral pulmonary tuberculosis, 152; simultaneous bilateral resection for tuberculosis in mental patients, 153; pulmonary ventilation during open thoracotomy; inflation and deflation time ratios and pressures, 154; contusion syndrome and late functional disturbances after blunt injuries of thorax, 160; anomalous vascular supply associated with congenital abnormality of, 249; surgical problems in connection with chronic pneumonia, 250; treatment of bronchiectasis by resection, 250; solitary bronchiectatic cyst formation, 251; tomography and bronchography in diagnosis of primary neoplasms of, 251; benign tumors and inflammatory pseudotumors of lungs and pleura; anatomoclinical report, 252; lesions of, simulating carcinoma, 253; operability of bronchial cancer with pleural effusion, 253; hyaline membranes in, of premature infants, 275; surgical treatment in tuberculosis complicated with pulmonary emphysema, 351; surgery for cavitary tuberculosis in patients with single, 352; plasma cell granuloma of mediastinal lymph node with extension to right, 352; eosinophilic granuloma of, 353; effect of pneumonectomy on heart not fully capable of permanent function, 353; development of pleural partition to prevent overexpansion of, following partial pulmonary resection; experimental study with clinical application, 354; importance of diagnostic thoracotomy in surgery of, 358; pulmonary embolism, 470; morphology of collapsed, from point of view of resection therapy, 470; bronchial arterioma in childhood, 471; primary lymphoma of, 471; mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 471; limited mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 472; bronchogenic carcinoma in persons under 40 years of age, 472; thyroid metastasis from bronchogenic carcinoma, 472; treatment of metastatic pulmonary malignancy, 472; conservative resection of bronchial tree, 473; studies on fibrinolysis and possibility of injury due to serothorax following pneumonectomy, 473; treatment of anomalous pulmonary venous connections in association with interarterial communications, 474; bronchospirometry after chest surgery, 479; bronchial blockade test and bronchospirometry as combined method of preoperative pulmonary function test, 550; roentgenogram of aneurysmal and ectatic dilatations occurring in pulmonary vascular system, 550; treatment of pulmonary tuberculosis with nylon mesh, 552; resection surgery in pulmonary tuberculosis; complications and follow-up, 552; apical aerated pulmonary cysts determined by means of thoracoscopic examination, 552; new points of view on cancer of, of asbestos workers, 552; preoperative diagnosis of bronchial carcinoma, 553; extracorporeal circulation by means of artificial heart and, system, 553

Lymphangioma of mediastinum; report of case with review of literature, 478

Lymphatic vessels, Observations on fistula in, of lower limb, 80; abnormalities of human superficial cutaneous, associated with stasis ulcers, lymphedema, scars, and cutaneous autografts, 99

Lymph nodes, Selective irradiation of, by interstitial injection of radioactive colloidal gold, 600

Lymphogranuloma, Osseous manifestations of, and lymphosarcoma, 305

Lymphoma, Primary, of lung, 471

Lymph system, Of kidney and its significance for particular pathologic processes of kidney, 178; possible significance of thymic origin of Hodgkin's disease, 415

Malformations, Clinical physiognomy and treatment of some particular types of uterovaginal congenital, 269; and development disorders, 414

Malleoli, Surgical treatment of recent fractures of, 72

Mandible, Surgical correction of complete bilateral ankylosis of; report of case, 138; adamantinoma; brief review of condition with description of case treated by immediate replacement with tantalum and acrylic prosthesis following resection of affected area of, 237; surgery of; some clinical and experimental considerations, 338; retrusion of, with ankylosis of temporomandibular joint; report of 2 cases, 459; temporomandibular arthroplasty, 542

Massage, Experimental contribution to direct cardiac, 355

Mastectomy, Technique of wound closure following radical, 351

Mastitis, Account of 3 cases of neoplastiform plasmacelled, 25; acute, 382

Mastoiditis, Temporal bone surgery in otitis media and; indications, purposes, and aims of different operative procedures, 339

Meconium, Syndrome of, plug, 382

Mediastinum, Aortic gumma simulating tumor of; report of case, 156; differential diagnosis of tumors of, 257; lipomas of; 1940 to 1955, collective review, 313; plasma cell granuloma of lymph node in, with extension to right lung, 352; mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 471; limited mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 472; lymphangioma of; report of case with review of literature, 478; hemangiomas of, 556; case reports of teratomas, with consideration of teratomas of sacrococcyx and, 603

Megaphen, Experimental research with reference to influence of, on revivication time of kidney of rat, 519

Melanoma, Therapeutic problems of tumors, 310; malignant; clinical and pathologic analysis of 93 cases; is prophylactic lymph node dissection indicated, 310; malignant, 516

Melena, Hematemesis and; with reference to causation and factors influencing mortality from bleeding peptic ulcers, 559

Meninges, Maldevelopment of, in lumbosacral region, 23

Meningioma, Pacchionian blastoma, 23; alterations of base of skull in, of olfactory groove, 468

Mesentery, Roentgen examination in cases of occlusion of vessels of, 90; vascular occlusion of, 161; rectal hemor-

rhage in babies from functional intestinal infarction of, 166; lymphatic cysts of; review of literature and report of 2 cases, 259
Mesocolon, Cysts of ascending, 362
Metabolism, Recent developments in field of protein, 202; Fanconi syndrome; metabolic studies on its treatment, 397; hemoglobin, and serum proteins following trauma, 414; pathology of slipping of upper femoral epiphysis, 505
Metastasis, Humoral effects of, of carcinoid tumors, 206; treatment of primary cancer of liver and, 263; elective re-exploration for management of; case of apparent cure of ovarian carcinoma with, 271; operative treatment of local recurrences or, of cancer, 311; thyroid, from bronchogenic carcinoma, 472; treatment of, from pulmonary malignancy, 472; carcinoma of ureter, 499
Metrorrhagia, Postmenopausal, due to complex hormone secreting tumor of ovary; folliculoma, lutein folliculoma, thecoma; attempt at prognostic interpretation, 174
Mikulicz's disease, Benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and; collective review, 521
Mitral valve, First cases of insufficiency of, operated on by new technique, 32; discrepancies between subjective and objective responses to commissurotomy of, 32; insufficiency of; experimental circular suture around atrioventricular ring, 155; clinical observations before and after valvuloplasty of; physical, radiologic, and electrocardiographic changes, 155; special operations in commissurotomy of, 356; difficult commissurotomies of, 356; one stage surgical correction of mitral and tricuspid stenosis; presentation of 3 cases, 475; late results of valvulotomy of, 475; is prognostication possible in cutting of, 554
Mole, Value of pelvic arteriography in diagnosis of, and chorioepithelioma, 516
Mortality, Factors responsible for lowering of maternal, in last 50 years, 275
Mouth, Our present day surgery of harelip, 143; involvement of dental pulp by malignant tumors of oral cavity, 147; diagnosis, prognosis, and treatment of "palatopharyngeal incompetence," with reference to radiographic investigations, 340; treatment of cleft palate associated with micrognathia, 340; replantation of extracted molars; preliminary report, 341; transplantation and reimplantation of teeth, 341
Müllerian ducts, Agenesis of, in adult, occurrence which has been questioned up to present time, 373
Muscles, Importance of, in process of consolidation of bone fractures, 187; anatomofunctional results of low transverse laparotomy incision, technique of section of rectus abdominis, directly through belly of, 375
Myelography, Pitfalls of, 88
Myenteric plexus of pylorus; its early normal development and its changes in hypertrophic pyloric stenosis, 260
Myocardium, Experimental researches on method of revascularization of; cardiac graft of pedunculated segment of jejunum freed of mucosa, 357
Myxoma, Successful removal of, from left atrium, 156

NAILING, Fifteen years of medullary, 73
Narcotics, Effects of maternal addiction to, on newborn, 383
Nasopharynx, Clinical and surgical problem of tumors of region of; new surgical methods for approaching this region, 18
Neck, Complications of anesthesia during radical surgery about head and, 302; segmentary anteroposterior mobility of cervical spine, 589
Necrosis, Aspects of problem of radionecrosis of jaws, 139
Neomycin, Treatment of urinary tract infections with, 503
Nephritis, Nephrotoxic action of antiplacenta serum in rats, 383
Nephroma, Five year survival after hepatic lobectomy for metastatic hypernephroma, 365
Nerves, Cerebellopontine angle syndrome from neurinomas of ninth, tenth, and eleventh, 467
Nervous system, First lumbar root syndrome, 204; epidermoids and dermoids of neural axis, 466; induced hypotension for neurosurgical procedures; critical analysis, 548; treatment of chronic pain, 549
Neuralgia, Trigeminal; present day approach to neurosurgical treatment, 468
Neurinoma, Plexiform; lymphangiomatous variety, 23; cerebellopontine angle syndrome from, of ninth, tenth, and eleventh nerves, 467
Neurosurgery, Controlled hypotension in; clinical experiences with arfonad and hibernal, 84
Newborn, Congenital diaphragmatic occlusion of duodenum, with report of 3 cases; collective review, 1; ocular manifestations of prematurity, 240; inhibited separation of larynx and upper part of trachea from esophagus in; report of case successfully operated upon, 245; asphyxia of, and its management, 274; oxygen saturation determinations of, in vaginal delivery and cesarean section, 274; hyaline membranes in lungs of premature infants, 275; meconium plug syndrome, 382; blood-clotting studies in parturient women and, 382; effects of maternal narcotic addiction on, 383; prolonged pregnancy; clinical, functional, and anatomopathologic profile of postmature, 493; treatment of generalized acute and peracute tetanus in, 597
Nipple, Paget's disease of; review of 25 cases with reference to melanin pigmentation of "Paget cells," 469
Nitrogen, Study of denitrogenation with some inhalation anesthetic systems, 85
Nitrogen mustard, Use of, in treatment of serous effusions of neoplastic origin, 309
Nose, Dermoid cysts of; presentation of 7 cases, 143; observations on corrections of saddle-nose deformity, 240; rhinosporidiosis; study with report of fatal case of systemic dissemination, 415; reimplantation of, 543; clinicopsychologic contribution to plastic surgery used in instance of fibromyxolymphangioma of dorsum of, 543
Nutrition, Observation on relationship of output to intake for total fluids, nitrogen, potassium, sodium, and chloride for perisurgery patients under parenteral, 407
Nylon, Treatment of pulmonary tuberculosis with mesh of, 552

OBSTETRICS, Urinary tract injuries in, and gynecology, 52; acute renal insufficiency in; special reference to treatment with artificial kidney, 273; factors responsible for lowering of maternal mortality in last 50 years, 275; annual reports of Rotunda, Coombe Lying-In, and National Maternity hospitals, 275; thromboembolic disease in, and gynecology; value of early diagnosis and adequate treatment, 376
Obstruction, Strangulation; collective review, 105; surgical physiology and management of acute intestinal, 164
Operation, Need for adequate pulmonary ventilation during surgical, 38; on urethra, 65; use of blood and plasma in surgical practice, 81; role of ACTH, cortisone, and hydrocortisone in surgery, 81; patterns of thyroid-adrenocortical response after, 82; prevention and control of surgical infections, 82; advancement in treatment of surgical infections with strong local antibiotic applications, 83; quadrilateral Mirault flap, for harelip, 144; direct vision intracardiac surgery by means of reservoir of "arterialized venous" blood; description of simple method and report of first clinical case, 157; surgical treatment of idiopathic mega-

esophagus, in particular on valve of Heller; considerations and results, 158; Schoemaker's method of reconstructing sphincter ani, 166; physiologic considerations in orthopedic, 189; accidents of local regional anesthesia and their treatment, 195; protein problems in surgery, 203; developments in anesthesia; surgeon's viewpoint, 300; treatment of local recurrences of metastases of cancer, 311; Billroth-1 and Polya, for duodenal ulcer; comparison, 361; observations on relationship of output to intake for total fluids, nitrogen, potassium, sodium, and chloride for perisurgery patients under parenteral nutrition, 407; relation of blood volume to fat content of body, and blood volume deficits, in surgical patients, 414; open heart surgery under direct vision with aid of brain cooling by irrigation; experimental studies and report of clinical cases, including 3 successfully treated cases of atrial septal defect, 476; pancreatitis complicating upper abdominal, 487; operative bacterial contamination in gynecological, 491; use of contolled hypotension in operations on head and neck, 514; methods and limits of plastic and restorative surgery, 518; Beck, for coronary heart disease; evaluation of 63 patients selected for operation, 554; x-ray protection in room for, 566; recent progress in surgery of aged, 594; acute peripheral circulatory failure in surgical cases; treatment with 1-noradrenaline, 596; prevention of hematoma after, by use of compression suture, 596

Orbit, Hemangiopericytoma of, 142

Orthopedics, Thromboembolic complications after surgery; their frequency and prevention, 407

Osgood-Schlatter disease, Considerations with reference to instance of familial, 69

Osteitis deformans, Observations on, of Paget, 183

Osteoarthritis, Cysts of, of hip; radiologic and pathologic study, 185

Osteoclastoma, Malignant, in pregnancy; clinical and anatomopathological study, 273

Osteoporosis following castration, 173

Otitis, Chronic, in children, 542

Otosclerosis, transtympanic mobilization of stapes for impaired hearing due to; preliminary report, 240

Ovary, Problems of cellular and tissue differentiation in papillary adenocarcinoma of, 47; carcinoma of; 286 cases treated at Women's Clinic, University of Helsinki, 1934–1948, 47; thyroid tissue and dermoid cyst of; problem of goiter of, 103; tumors of mesenchyme of; clinicopathologic survey, 171; masculinizing tumors of, 171; prognosis of seminomas of, and discussion of therapy based on 5 unreported cases and 150 cases from literature, 172; postmenopausal metrorrhagia due to complex hormone secreting tumor of; folliculoma, lutein folliculoma, thecoma; attempt at prognostic interpretation, 174; prognosis of primary cancer of, with particular reference to embryonic tumors, 271; elective re-exploration for management of metastases; case of apparent cure of ovarian carcinoma with metastases, 271; adenoacanthoma in, and intestinal endometriosis; report of case, 370; Brenner tumors of; report of 9 cases, including one with malignant degeneration, 370; symposium on malignant tumors of, 371; surgery of large tumors of, 372; anatomoclinical observations of dysgerminoma of; statistical contribution, 490; problem of aplasia of, 567; cancers of; clinicopathologic facts, 567; Krukenberg tumor, 568; hormonal correlation between hypophysis and; experimental histological research, 604

Oxygen, Saturation of; determinations in newborn during vaginal delivery and cesarean section, 274

Pacchionian blastoma, 23

Paget's disease, Of vulva, 49; of nipple; 25 cases with melanin pigmentation of "Paget cells," 469

Pain, First lumbar root syndrome, 204; differential section of spinothalmic tract to relieve, from carcinoma of breast, 248; syndrome of, in shoulder, 505; treatment of chronic, 549

Palate, Treatment of cleft, associated with micrognathia, 340

Pancreas, Problems in surgery of, 45; accessory, with stenosing hypertrophy of pylorus, 260; clinical and experimental study of disorders of, 267; treatment of fistula of, 268; survival for more than 5 years after pancreatoduodenectomy for cancers of ampulla and head of, 268; diffuse adenomatosis of Langerhans insular apparatus; diagnosis and therapy of organic hyperinsulinism, 367; surgical management of tumors of, 368

Pancreatitis, Treatment of acute, with corticodepot, 45; eight year study of, and sphincterotomy, 367; acute, following translumbar aortography; case report with autopsy findings 7 weeks following aortogram, 403; complicating upper abdominal operations, 487; following subtotal gastrectomy, 560; postcholecystectomy dyskinesia; with, sphincteritis, choledocholithiasis, and, as causes, 565

Papillomas of larynx with intraepithelial anaplastic changes, 19

Paraffinoma of breast, 25

Paralysis, Operative treatment of, of facial nerve, 349

Paraplegia, Problem of treatment of pressure sores in spinal, 99; treatment of pressure sores in, 100; late laminectomy in traumatic, 150

Parotidectomy, Total, for mixed tumor, 338

Parotid gland, Series of 455 cases of tumor of, 236; comments on 35 cases of operative tumors of, 236; comments on 200 cases of operative tumors of, 236; congenital capillary hemangiomas of; lesion characteristic of infancy, 237; giant tumors of; report of case, 458; treatment of mixed tumors of, 458; surgical consideration of tumors of, 459; benign epitheliolymphoid lesions of; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521

Patella, Chondromalacia of, 584

Pelvis, Observations on urinary tract 4 to 7 years after total exenteration of, and wet colostomy, 101; transitional anomalies of lumbosacral joints; prognostic elements for trial of labor in contracted, 176; management of late complications of irradiation of, 285; findings in, of women past age of 65, 373; urinary tract injuries resulting from surgery of, 492; value of arteriography of, in diagnosis of mole and chorioepithelioma, 516; late results of undiagnosed separations of girdle of, after delivery, 573; injuries of bladder and urethra in fractures of, 577

Penicillin, Serum concentrations and urinary excretion following oral administration of, and comparison with, 102

Penis, Carcinoma of, in man circumcised in infancy, 66; operative treatment of strictures of urethra, 277; efficacy of circular electrolysis associated with medical treatment in late plastic induration of, 284; total reduplication of, 392; Johanson urethroplasty in strictures of urethra, 578; experience with Denis-Browne operation for hypospadias, 579

Pericarditis, Endocardial fibrosis simulating constrictive; report of case with determination of pressure in right side of heart and eosinophilia, 474

Pericardium, Cysts of, 36

Peripheral nerves, Plexiform neurinoma; lymphangiomatous variety, 23

Periston, Effect of, and periston "N" on Evans blue, 604

Peritoneal fluid, Strangulation obstruction; collective review, 119

Pharyngostome, Management of, esophagostome, and associated fistulas, 544

Pharynx, Reconstruction of, 18; surgery of carcinoma of hypopharynx, 20; pharyngocervical angiomatosis, 241; nasopharyngeal carcinoma; account of cranial nerve lesions found in 185 cases, 544
Pheochromocytoma, Value of certain tests used routinely in diagnosis, 384; report of case of, with regard to preoperative diagnostic problems, 384; management of patients with, including 2 case reports, 385; and pregnancy; report of case, 572
Phlebitis, Study of 748 cases at Boston City Hospital, 75
Phosphenes, X-ray and radium, 17
Phosphorus (P^{32}), Radioactive, uptake test in opthalmology; review of literature and analysis of results in 262 cases of ocular and adnexal disease, 238
Physiology in orthopedic surgery, 189
Pilonidal disease, Colon and anorectum in pediatric practice; collective review, 226
Pituitary gland, Mammary carcinoma and chromophobe adenomas of, in rat, 349
Placenta, Tumors of; hemangiomas, with reference to associated clinical syndrome, 573
Plasma, Use of blood and, in surgical practice, 81; effect of periston and periston "N" on Evans blue, 604
Plasmacytoma of gastrointestinal tract, 161
Plastics, Use of, as arterial prostheses, 79; arteriogenesis induced by tubes of, 192
Plastic surgery, Reconstruction of pharynx, 18; new method of mammaplasty by double wedge-shaped excision and submuscular suspension of gland, 26; tracheal adenoma and plastic repair of trachea, 27; plastic reconstruction of fallopian tubes using polyethylene catheters, 47; applications of z-plastic procedure, 86; crescenteric perialar cheek excision for upper lip flap advancement with short history of upper lip repair, 144; zoografting; curious chapter in history of, 207; cell survival theory versus replacement theory, 312; surgery of mandible; some clinical and experimental considerations, 338; diagnosis, prognosis, and treatment of "palatopharyngeal incompetence," with reference to radiographic investigations, 340; treatment of cleft palate associated with micrognathia, 340; end results in replacement of mucous membrane of urinary bladder with thick-split grafts of skin, 501; methods and limits of, and restorative surgery, 518; clinicopsychologic contribution to, used in instance of fibromyxolymphangioma of dorsum of nose, 543; repair of hydronephrosis; description of new technique used in 10 cases, 575; observations on ileocystoplasties and ureteroileocystoplasties, 575; posterior operative fusion of sections of vertebral column with aid of internal splinting, 585; in bone problems, 594
Pleura, Benign tumors and inflammatory pseudotumors of lungs and; anatomoclinical report, 252; operability of bronchial cancer with effusion from, 253; development of partition of, to prevent overexpansion of lung following partial pulmonary resection; experimental study with clinical application, 354; fibromyxoma of parietal, 474
Pneumonia, Contribution to surgical treatment of chronic, 152; surgical problems in connection with chronic, 250
Polyposis, Multiple, of colon, osteomatosis, and soft-tissue tumors; report of familial syndrome, 103; treatment of multiple, of small intestine, 361
Polyps, Granuloma with eosinophils; benign inflammatory fibroid, of stomach, 515
Portal vein, Portal pressure and medication by percutaneous splenic route; experimental study, 312
Pregnancy, Five years of systematic roentgenoscopy at prenatal consultation in Maternity Department of University of Liége, 53; etiology of ectopic; new concept, 53; rupture of uterus in, 54; treatment of imminent eclampsia, 55; cancer of cervix during, 55; megaloblastic anemia of, and puerperium, 57; etiology of pre-eclampsia-eclampsia; extracellular and intracellular fluid changes and electrolyte balances, 58; conquest of eclampsia, 175; thrombophlebitis of, 175; heart disease in, 175; and carcinoma of cervix; significance of cytologic findings, 175; rupture and perforation of uterus in association with labor, puerperium and, 273; malignant osteoclastoma in; clinical and anatomopathological study, 273; vascular anomalies of mouse fetuses exposed to anoxia during, 276; thromboembolic disease in obstetrics and gynecology; value of early diagnosis and adequate treatment, 376; value of antenatal exercises, 376; ruptured uterus, 376; protoveratrine in treatment of toxemia of, 376; diabetes and, 377; and single kidney; clinicostatistical contribution, 378; spontaneous rupture of liver in; report of case, 378; nephrotoxic action of antiplacenta serum in rats, 383; prolonged; clinical, functional, anatomopathologic profile of postmature newborn infant, 493; patients with four or more cesarean sections, 493; supplementary notes on anemia in; on origin and treatment of microcytic hypochromic anemia during toxemias in, 494; ruptured renal artery aneurysm in; report of case with survival, 494; puerperal vasomotor collapse in patients with toxemia of; new concept of etiology and rational plan of treatment, 495; new procedure for therapy of eclampsia, 572; pheochromocytoma and; report of case, 572
Presentation, Breech; study of 654 cases, 494
Pressure sores, Problem of treatment of, in spinal paraplegics, 99; treatment of, in paraplegic patients, 100
Procaine, Segmental arterial spasm of brachial artery; report of case treated by instillation of, into median nerve, 76
Proctology, Colon and anorectum in pediatric practice; collective review, 209; postirradiation anorectocolitis, 364
Progesterone, Clinical experience with 17-alpha-oxy, 17-capronate, 491
Prolapse, Colon and anorectum in pediatric practice; collective review, 228
Propylthiouracil, Effect of, on biologic decay rate of I^{131} from thyroid gland in euthyroid and hyperthyroid subjects, 147
Prostatectomy, Transvesical, with induced artificial hypotension by means of a new ganglionic blocking agent, 285; experience gained in 100, performed after method of Van Stockum-Millin, 393
Prostate gland, Functional derangements of liver in cancer of; and their role in prognosis and treatment of this disease, 180; treatment of carcinoma of, 180; juxtasphinteric ischiorectal adenomectomy of, 181; carcinoma of; 5 year survival following antiandrogenic treatment, 284; hemolysis and transurethral resection; review, 284; cystometric finding in prostatic conditions, 392; experience with honvan (St 52-ASTA) in treatment of metastatic cancer of, 393; experiences gained in 100 prostatectomies performed after method of Van Stockum-Millin, 393; conservative treatment of carcinoma of, 502; histopathologic concepts pertaining to treatment of cancer of, 579
Prostheses, Acrylic, in surgery of hip, 67; failures following reconstruction of hip with acrylic, 68; use of plastic fabrics as arterial, 79; adamantinoma; brief review of condition with description of case treated by immediate replacement with tantalum and acrylic, following resection of affected area of mandible, 237; degree of pseudarthrosis in midthigh amputation in relationship to, 402; upper extremity, in juvenile amputees, 583
Protein, Investigation of various mineral substances, phosphatases, cholesterins, total, and urea content and changes of serum, in cases of fractures and of fractures with internal fixation, 74; recent develop-

ment in field of metabolism of, 202; problems pertaining to, in surgery, 203; hemoglobin metabolism and serum, following trauma, 414
Pseudarthrosis, Treatment of fractures and, of scaphoid with central grafting (autogenous bone peg), 187
Puerperal fever, Story of, from 1800 to 1950, 380
Puerperium, Megaloblastic anemia of pregnancy and, 57; infections in, and after abortions due to aerobic nonhemolytic streptococci, 177; postpartum hemorrhage; 5-year study at Queen of Angels hospital, 274; postpartum hemorrhage due to depletion of fibrinogen from circulating blood stream, 274; postpartum hemorrhage; its etiology and management, 379; story of fever in, from 1800 to 1950, 380; acute mastitis, 382; blood-clotting studies in parturient women and newborn, 382; vasomotor collapse in patients with toxemia of pregnancy; new concept of etiology and rational plan of treatment, 495; hemorrhage, shock, and pituitary deficiency in; study based on 22 cases, 573; late results of undiagnosed separations of pelvic girdle after delivery, 573
Purpura, Surgical implications of nonthrombocytopenic, 308
Pyelography, Retrograde, in different body postures, 385
Pylorus, Infantile stenosis of, 162; palpable contractile tumors of, in newly born, 162; accessory pancreas with stenosing hypertrophy of, 260; myenteric plexus of; its early normal development and its changes in hypertrophic stenosis of, 260

QUININE, Effect of, on human uterus, 272

RABIES, Rabid animal injuries; essential therapy, 410
Radiation, Some applications of radioactive isotopes in ophthalmology, 338; anorectocolitis after, 364; treatment of premenopausal bleeding with thermocautery and beta, 373; irradiation fibromatosis and fibrosarcoma, 416; management of patients receiving therapy by, 516; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521, 528, 537; selective irradiation of lymph nodes by interstitial injection of colloidal gold, 600; late effects of atomic bomb injuries in Hiroshima and Nagasaki, 601
Radioisotopes, Progress against cancer with, 97
Radium, Phosphenes of x-rays and, 17; late proctitis following radiotherapy of carcinoma of uterine cervix, 42; pathological study of genitalia following intrauterine therapy with, for benign conditions, 50; reappearance of cervical carcinoma 30 years after treatment with, 171; skeletal lesions following internally administered, 307
Radius, Early and delayed surgical treatment of Monteggio's fracture luxation, 70; congenital absence of, 183
Rectum, Late proctitis following radiotherapy of carcinoma of uterine cervix, 42; adenomas of colon and; with emphasis on therapy, 43; primary one-stage proctocolectomy in ulcerative colitis, 165; hemorrhage from, in babies due to functional mesenteric infarction, 166; colon and anorectum in pediatric practice; collective review, 209, 214; total colectomy and anterior resection of, with ileorectal anastomosis; one-stage operation for ulcerative colitis, 261; trends in treatments of tumors of rectosigmoid, left colon, and, 261; treatment of carcinoma of, 363
Reflexes, Significance of induced digital vasoconstrictive, 293
Renal artery, Aneurysm of abdominal aorta involving right; report of case with preservation of renal function after resection and grafting, 294; ruptured aneurysm of, in pregnancy; report of case with survival, 494; aneurysm of, 497
Respiration, Technique of artificial, 300; increase of anatomic dead space after atropine injection in man and dog, 301; tracheostomy in absence of high obstruction of, 469
Retina, Oxygen inhalation in retinal arterial occlusion; preliminary report, 142; fat embolism of; demonstrated by flat preparation of, 142; glial tumors of, in relation to tuberous sclerosis, 461
Retinoblastoma, Study of, 239
Rib, Primary tumors of, 151
Rickets, Femoral neck umbau after, 190; Fanconi syndrome; metabolic studies on its treatment, 397
Roentgenography, Congenital diaphragmatic occlusion of duodenum, with report of 3 cases; collective review, 1; 5 years of systematic, at prenatal consultation in Maternity Department of University of Liège, 53; urethral obstruction in childhood; use of, in diagnosis, 64; retrobulbar pneumography and stratigraphy in visualization of optic nerve, 88; pitfalls of myelography, 88; discography in evaluation of lumbar disc lesions, 89; diagnosis of affections of mammary gland, 89; inflammatory lesions of esophagus and stomach, 89; rounded intrathoracic lesions, 90; examination in cases of occlusion of mesenteric vessels, 90; signs of gastritis; clinical analysis, 90; new method of exploration of biliary tract; blocked cholecystography, 92; findings in regional enteritis, 92; ileum following colectomy, 94; plain, of abdomen in pediatric practice, 94; help in diagnosis of abdominal emergencies, 94; effective magnification by, with focus dimensions of less than 0.3 millimeters, 95; benign and malignant tumors of duodenum, 96; and other studies of biliary and pancreatic ducts, 168; complications of translumbar aortography; explanation and avoidance; experiences with new contrast preparation, urografin, 199; value and limitations of, in acute abdominal conditions, 199; studies with reference to employment of new bile contrast preparation in healthy and hepatic diseased individuals, 199; manifestations of synovial sarcoma by, 200; diagnostic, with radioactive isotopes, 201; radiologic investigation of renal tuberculosis, 278; in instances of erroneous clinical diagnosis in region of major salivary glands, 303; outstanding problems in, of spinal canal, 303; gastric granuloma with eosinophile infiltration; report of 2 cases, 304; idiopathic chronic ulcerative colitis and regional enterocolitis, 304; experiences with biligrafin in intravenous cholangiocystographies, 304; osseous manifestations of lymphogranuloma and lymphosarcoma, 305; sclerosing osteogenic sarcomatosis; radiologic entity, 305; lipomas of mediastinum, 1940 to 1955; collective review, 313; diagnosis, prognosis, and treatment of "palatopharyngeal incompetence," with reference to investigations by, 340; lower esophageal ring, 411; benign ulceration on greater curvature of stomach; report of 7 proved cases, 411; new studies of bile passages by means of biligrafin, 412; protrusio acetabuli in rheumatoid arthritis, 412; kymographic studies of mobility of diaphragm following thoracic operations, 479; latent tubal tuberculosis; its radiologic diagnosis, 490; sphincterometrography; new technique for studying physiology and pathology of urinary continence in female, 491; aspects of atrial septal defect, ostium secundum, 515; precipitation of contrast medium in gallbladder; report of case, 515; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521; study of hemispheric tumors, 545; of aneurysmal and ectatic dilatations occurring in pulmonary vascular system, 550; measuring pituitary fossa by, 599; examinations with rapid succession of pictures in tumors of thoracic space, 599; diagnosis of ruptured spleen, 599

Roentgen radiation, Influence of, on mortality following thermal flash burns; site of tissue injury as factor determining type of invading bacteria, 299; irradiation injuries and their treatment, 306
Roentgen rays, Phosphenes of, and radium, 17; microscopic findings in preoperatively irradiated cancer of breast, 26; protective effect of cysteamine against injury from, on ears of rabbits irradiated under conditions of complete anoxia, 97; protection against, in operating room, 566
Roentgen therapy, Results obtained by preoperative radiation in 343 cases of breast carcinoma, 26; combined, and resection for carcinoma of bronchus; experiences with 66 patients, 31; of vertebral angioma, 205; of cerebral gliomas, 467; treatment of endometrial adenocarcinoma; study of 381 cases at New York Hospital; preliminary report, 599; indications for radiotherapy in tumors of salivary glands, 600

Sacrococcyx, Case reports of teratomas, with consideration of teratomas of mediastinum and, 603
Salicylates, Bilateral and recurrent renal calculi; evidence indicating renal collagen abnormality and results of therapy with, 497
Salivary glands, Roentgenologic findings in instances of erroneous clinical diagnosis in region of major, 303; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521; indications for radiotherapy in tumors of, 600
Sarcoid, Mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 471; limited mediastinopulmonary forms of Besnier-Boeck-Schaumann's disease, 472
Sarcoidosis of lacrimal glands associated with Sjögren's syndrome; their relationship with Mikulicz's syndrome, 238
Sarcoma, Of stomach; analysis of 17 cases, 164; roentgenologic manifestations of synovial, 200; resection of left lobe of liver for, 264; contribution to subject of malignant osteoclastoma in pregnancy; clinical and anatomopathological study, 273; osteogenic, involving left kidney, 279; central fibrosarcoma of bone, 287; Paget's osteodystrophy and sarcomatous degeneration, 397; osteogenic; study based on 133 cases, 398; irradiation fibromatosis and fibrosarcoma, 416; chondrosarcoma of proximal portion of femur treated by resection and bone replacement; 6 year result, 584
Sarcomatosis, Sclerosing osteogenic; radiologic entity, 305
Scars, Abnormalities of human superficial cutaneous lymphatics associated with stasis ulcers, lymphedema, cutaneous autografts, and, 99
Sciatica, Indications, technique, and results of operative and conservative treatment of syndrome of lumbago and; 166 cases, 291
Sclerosis, Changes of urinary bladder in multiple, 64; efficacy of circular electrolysis associated with medical treatment in late plastic induration of penis, 284
Scrotum, Use of skin of, to cover wound defects in groin and pubic area, 504
Seminomas, Prognosis of ovarian, and discussion of therapy based on 5 unreported cases and 150 cases from literature, 172
Serum, Concentrations in, and urinary excretion following oral administration of penicillin V and comparison with penicillin G, 102
Shock, Hazard of, in occult iron deficiency, 195; hydrodextran in treatment of hemorrhagic; with plasma volume, blood volume, protein, and excretion studies, 299; shock, 308; prophylaxis and control of operative, or shocklike syndromes by suppression of autonomic nervous system, 513; hemorrhage, pituitary deficiency, and, in puerperium; study based on 22 cases, 573
Shoulder, Recurrent dislocation of; 24 year study of Johannesburg stapling operation, 289; modification of Nicola's operation in recurrent dislocation of, 399; syndrome of painful, 505; recurrent anterior dislocation of, 506
Sigmoid colon, Resection of rectosigmoid for carcinoma with preservation of sphincteric function, 261; functional results of ureterosigmoidostomy after 14 years, 499; diverticulitis of; surgical management; report of 23 cases, 563
Sinus, Diagnosis and present day therapy of carcinomas of paranasal, 240; enormous mucocele of posterior sphenoethmoidal, with chiasmatic syndrome, 347; primary squamous cell carcinoma of frontal, 543
Skin, Indications for grafting of, in primary treatment of Dupuytren's contracture, 86; re-examination of certain aspects of histogenesis of healing of wounds; preliminary report, 203; establishing bank for; use and various methods of preservation of postmortem homografts, 204; zoografting; curious chapter in history of plastic surgery, 207; malignant change in erythema ab igne, 310; sunlight as environmental factor in cancer of, 311; end results in replacement of mucous membrane of urinary bladder with thick-split grafts of, 501; use of scrotal skin to cover wound defects in groin and pubic area, 504; method of grafting of, for burns using "open air" principle, 513
Sotradecol, Evaluation of, in sclerotherapy of varicose veins; report of cases treated 5 or more years ago, 75
Spermatic cord, Transposition of, in surgical treatment of varicocele in human being, 182
Sphincter, Resection of rectosigmoid for carcinoma with preservation of function of, 261
Sphincter of Oddi, Eight year study of pancreatitis and sphincterotomy, 367
Spina bifida, Report of 2 cases of, with unusual peripheral osteoarticular manifestations, 74
Spinal canal, Outstanding problems in roentgenologic opacification of, 303
Spinal cord, Reconstructive surgery of hand in cerebral palsy and spastic paralysis resulting from injury to, 70; untoward effects of spinal anesthesia on, and its investments, 85; anatomic and radiologic studies of intervertebral canals in cervical spine, 149; early diagnosis of compression of, by neoplasms, 149; involvement of, by intervertebral disc protrusions, 247; differential section of spinothalmic tract to relieve pain from carcinoma of breast, 248; lumbar and sacral compression radiculitis (herniated lumbar disc syndrome), 349; acute focal lesion of, with syndrome of occlusion of anterior spinal artery; report of 3 cases, 350; lesions of, produced by aortography in dogs, 511
Spine, Meningeal maldevelopment in lumbosacral region, 23; discography in evaluation of lumbar disc lesions, 89; anatomic and radiologic studies of intervertebral canals in cervical, 149; late laminectomy in traumatic paraplegia, 150; roentgen therapy of vertebral angioma, 205; etiology of cleft vertebral arch in spondylolisthesis, 287; congenital deformities of vertebral bodies, 401; posterior operative fusion of sections of, with aid of internal splinting, 585; segmentary anteroposterior mobility of cervical, 589
Spleen, Roentgenologic diagnosis of ruptured, 599
Sprain, Diagnosis of fibular collateral, of ankle, 185
Stapes, Functional goals in mobilization of, 339
Staphylococcus, Hospital; comparison of nasal and fecal carrier states, 309; virulence and phage patterns of antibiotic-resistant, in hospital, 517
Starch, Granulomas caused by absorbable glove powder made of, 517

Steroid, Use of, (viadril) as anesthetic agent, 301
Stomach, Dumping syndrome; review of pathologic physiology of dumping, 39; benign tumors of; report of 10 cases, 40; statistics concerning subtotal gastrectomy for carcinoma, 40; inflammatory lesions of esophagus and, 89; roentgen signs of gastritis; clinical analysis, 90; diverticula of, 161; infantile pyloric stenosis, 162; palpable contractile pyloric tumors in newly born, 162; sarcoma of; analysis of 17 cases, 164; gastromalacia; review and report of 1 case with recovery, 259; early carcinomatous changes in, 259; granuloma of, with eosinophile infiltration; report of 2 cases, 304; concept of etiology of gastric and duodenal ulcer; Caldwell lecture, 1955, 359; subtotal gastric resection for acute perforated peptic ulcers, 359; hematologic changes following total gastrectomy, 359; papillary hepaticogastrostomy, 365; effects of alcohol on mucosa of, 408; benign ulceration on greater curvature of; report of 7 proved cases, 411; pseudoulceration of, and duodenum produced by traction diverticula, 412; gastroduodenal ulceration complicating other diseases, 482; cancer development in gastric stump after partial gastrectomy for ulcer, 483; cancer of; analysis of 1,152 cases, 483; cancer of; report on cases by total gastrectomy, 484; indications and results of surgery for gastric cancer; clinicostatistical study of 356 cases, 485; granuloma with eosinophils; benign inflammatory fibroid polyps of, 515; hemorrhagic peptic esophagitis after esophagogastric anastomosis for megaesophagus, 555; studies concerning possible prophylaxis of postoperative atony of, 558; contribution to therapy of postoperative gastrointestinal atony, 558; undesirable sequelae of subtotal gastric resection, 559; megaloblastic anemia following resection of; report of 10 cases, 559; end results of total gastrectomy for cancer, 560; pancreatitis following subtotal gastrectomy, 560; mortal gastrectomies, 560
Strangulation, Obstruction due to; collective review, 105; megaileum with partial, 165
Streptococci, Puerperal and abortional infections due to aerobic nonhemolytic, 177
Styloiditis, So-called of radius; tenopathy of brachioradialis muscle, 67
Subclavian artery, Syndrome of costoclavicular compression of, 192
Sudeck's atrophy in hand, 584
Sulfate, Uptake of labelled, injected into host animal by cartilage homografts, 101
Sunlight as environmental factor in cancer of skin, 311
Sympathectomy, And its indication in treatment of cerebral arteriosclerotic vascular diseases, 248; treatment of peripheral vascular diseases by adrenomedullectomy combined with lumbar, 293
Sympathetic nervous system, Prophylaxis and control of operative shock or shocklike syndromes by suppression of, 513

Talus, Congenital vertical, 585
Teeth, Involvement of dental pulp by malignant tumors of oral cavity, 147; replantation of extracted molars; preliminary report, 341; transplantation and reimplantation of, 341; experimental transplantation of, in lower animals, 462
Temporal bone, Surgery of, in otitis media and mastoiditis; indications, purposes, and aims of different operative procedures, 339; temperomandibular arthroplasty, 542
Temporal region, Clinical picture and treatment of arteritis of, 76
Temperomandibular joint, Ankylosis of, with mandibular retrusion, 138; surgical reconstruction of, 138; mandibular retrusion with ankylosis of; 2 cases, 459
Tendenitis calcarea, Indications for operative treatment of, 186
Tendons, Avulsion fractures of distal phalanges of hand in relation to insertion of extensor; lesions of Segond, 72; etiology and pathogenesis of achillodynia, 185; histiocytic tumors of sheaths of, 310; repair of, in hand, 594
Teratoma, Colon and anorectum in pediatric practice; collective review, 217; case reports of, with consideration of sacrococcygeal and mediastinal, 603
Testis, Symptoms and therapy of tumors of, 66; tuberculosis of, in infants, 394; classification of cancers of, 502
Tests, Thyrotropin, in man using serum protein-bound iodine as indicator, 462
Tetanus, Persistence of antitoxin levels after toxoid inoculation for, in adults, and effect of booster dose after various intervals, 514; in Southern Germany, 596; occurrence of, in Finland; clinical study, 597; treatment of generalized acute and peracute, in newborn and child, 597; therapeutic considerations concerning case of; first use of anesthetic steroid; 21-hydroxypregnandione succinate, 598
Tetralogy of Fallot, Aortopulmonal anastomosis with use of arterial homoiotransplant for treatment of, 35
Thecoma, Association of, and uterine adenocarcinoma, 173
Thiouracil, Treatment of thyrotoxicosis with compounds of, 242
Thoracic duct, Visualization of, with use of vital dye; experimental research and first clinical application, 603
Thoracotomy, Pulmonary ventilation during open; inflation and deflation time ratios and pressures, 154; importance of diagnostic, in surgery of lung, 358
Thorax, Hypertrophic pneumo-osteoarthropathy, 27; intrathoracic manifestations of amebiasis, 28; my method of treating middle basal cavities, 33; surgery of diaphragm, 39; rounded intrathoracic lesions, 90; difficulties in differential diagnosis of benign and malignant tumors and chronic intrathoracic granuloma, 153; contraindications to surgical therapy of coarctation of aorta, 157; spontaneous rupture of esophagus; report of case cured by conservative treatment, 158; funnel chest; report of series of 100 cases, 159; contusion syndrome and late functional disturbances after blunt injuries of, 160; histologic changes of autoplastic venous and pericardial transplants in left ventricle, 256; lipomas of mediastinum, 1940 to 1955; collective review, 313; injuries of liver in 300 consecutive patients; collective review, 323; studies on fibrinolysis and possibility of injury due to serothorax following pneumonectomy, 473; bronchospirometry after chest surgery, 479; roentgenkymographic studies of mobility of diaphragm following operation on, 479; emergency treatment on traumatism of, 556; management of thoracoabdominal casualty in combat zone, 557; roentgenologic examinations with rapid succession of pictures in tumors of, 599
Thromboembolism, After orthopedic and traumatic surgery; their frequency and prevention, 407; treatment of, 591
Thrombophlebitis, Of pregnancy, 175; evaluation of radical surgery for syndrome after, 405
Thrombosis, Practical experience with prophylaxis of general, in gynecologic operations, 50; initial clinical data with reference to employment in gynecology of synthetic heparinoid, 50; latent, after arteriography, 75; of internal carotid artery, 347; sequelae of deep venous, of lower limbs; follow-up study of patients initially treated with active movements, 511; Leriche's syndrome, 592

Thymus gland, Neoplasms of, 258; discussion on possible significance of origin of Hodgkin's disease in, 415; tumors and cysts due to, 557

Thyroidectomy, Vulnerability of recurrent laryngeal nerves at, 147

Thyroid gland, Patterns of response of, and adrenal cortex after operation, 82; tissue of, and dermoid cyst in ovary; problem of ovarian goiter, 103; abscess of, 147; effect of propylthiouracil on biologic decay rate of I^{131} from, in euthyroid and hyperthyroid subjects, 147; surgery of nontoxic forms of goiters, 241; radioiodine treatment of toxic goiter, 243; bizarre clinical manifestations of hyperthyroidism, 342; long term treatment of thyrotoxicosis with antithyroid compounds, 343; surgical treatment of thyrotoxicosis, 344; thyrotropin test in man using serum protein-bound iodine as indicator, 462; cancer of; clinical analysis and evaluation of therapy in 144 patients, 463; metastasis from bronchogenic carcinoma, 472

Thyrotoxicosis, Treatment of, with radioactive iodine; review of 140 cases, 96; treatment of, with thiouracil compounds, 242; long term treatment of, with antithyroid compounds, 343; surgical treatment of, 344

Tibia, Considerations with reference to instance of familial Osgood-Schlatter disease, 69; ischemic necrosis of anterior compartment musculature of, 102; considerations with reference to treatment of transverse fractures of, 507; results of tibiotarsal arthrodesis in 17 cases, 586; when is treatment of fractures of plateau of, with compression screws indicated, 589

Tongue, Results of surgical treatment of cancer of, 342

Toxemia, Protoveratrine in treatment of, of pregnancy, 376; supplementary notes on anemia in pregnant women; on origin and treatment of microcytic hypochromic anemia during, in pregnancy, 494; puerperal vasomotor collapse in patients with, of pregnancy—new concept of etiology and rational plan of treatment, 495

Toxicity, Strangulation obstruction; collective review, 119

Trachea, Adenoma of, and plastic repair of, 27; inhibited separation of larynx and upper part of, from esophagus in newborn; report of case successfully operated upon, 245

Tracheostomy, In absence of high respiratory obstruction, 469

Transfusion, Evaluation of problem of pathological reactions of blood, 512; postoperative hemorrhagic syndrome due to incompatible blood, 512

Transplantation, Experimental, of teeth in lower animals, 462

Trauma, Of heart from surgeon's viewpoint, 31; surgical management of transcapsular rupture of kidney; 24 cases, 179; indications for operative treatment of tendenitis calcarea, 186; injuries to heart as result of blunt force, 254; pathologic findings in, to heart, 254; report on 75 liver injuries, 262; blunt injuries of kidney, suggestions for treatment, and results thereof, 277; irradiation injuries and their treatment, 306; injuries of liver in 300 consecutive patients; collective review, 323; clinical study of urethral, 391; treatment of burns, 408; soft tissue coverage for, to foot and leg, 409; rabid animal; essential therapy, 410; hemoglobin metabolism and serum proteins following, 414; study of experimental, to distal femoral epiphysis in rabbits, 507; reimplantation of nose; emergency treatment of, of thorax, 556; management of thoracoabdominal casualty in combat zone, 557; late effects of atomic bomb, in Hiroshima and Nagasaki, 601; visualization of thoracic duct with use of vital dye; experimental research and clinical application, 603

Trigeminal nerve, Neuralgia of; present day approach to neurosurgical treatment, 468

Tuberculosis, Compatibility of bronchography with water soluble contrast in lung, 28; resection in bilateral pulmonary, 152; simultaneous bilateral resection for pulmonary, in mental patients, 153; treatment of bone and joint, complicated by pulmonary lesions, 189; glandular cystic hyperplasia and, of endometrium, 270; radiologic investigation of renal, 278; treatment of renal, 278; aspects of treatment of urinary, 285; surgical treatment in, complicated with pulmonary emphysema, 351; surgery for cavitary, in patients with single lung, 352; of testicle in infant, 394; excisional surgery in treatment of skeletal, 399; latent tubal; its radiologic diagnosis, 490; treatment of pulmonary, with nylon mesh, 552; resection surgery in pulmonary; complications and follow-up, 552; implanting of endometrium in guinea pig for diagnosis of genital, 569

Tumors, Clinical and surgical problem of, of region of nasopharynx; new surgical methods for approaching this region, 18; hypertrophic pneumo-osteoarthropathy, 27; benign, of stomach; report of 10 cases, 40; primary, of kidney in childhood, 60; first reported cases of human bladder, due to new carcinogen—xenylamine, 64; symptoms and therapy of testicular, 66; benign and malignant, of duodenum, 96; clinical considerations for practitioner in, of infancy, 103; multiple polyposis of colon, osteomatosis, and soft-tissue tumors; report of familial syndrome, 103; of cheek; observations on etiology, differential diagnosis, and methods of surgical approach, 139; early diagnosis of compression of spinal cord by, 149; primary, of rib, 151; difficulties of differential diagnosis of benign and malignant, and chronic intrathoracic granuloma, 153; mixed mesodermal, of uterus; clinicopathologic study, 171; of ovarian mesenchyme; clinicopathologic survey, 171; masculinizing ovarian, 171; pathogenesis of endometriosis; experimental study, 173; and leucoses in mice induced by flax fibers and cigarette paper, 205; effect of celandine alkaloids on growth of ascites, in mice, 206; humoral effects of metastasizing carcinoid, 206; series of 455 cases of parotid, 236; comments on 35 cases of operated parotid, 236; comments on 200 cases of operated parotid, 236; tomography and bronchography in diagnosis of primary pulmonary neoplasms, 251; benign, and inflammatory pseudotumors of lungs and pleura; anatomoclinical report, 252; thymic, 258; adenomatous, of anterior foregut region showing cylindroma pattern, 260; trends in treatment of, of rectum, rectosigmoid, and left colon, 261; case of solitary cysts of kidney containing, 278; prognosis in 46, of renal pelvis surgically treated, 279; eleven primary, of ureter, 282; histiocytic, of tendon sheaths, 310; therapeutic problems of melanotic, 310; lipomas of mediastinum, 1940 to 1955; collective review, 313; total parotidectomy for mixed, 338; glomus, (nonchromaffin paragangliomas) of larynx; case report, 346; type diagnosis of brain, through serial angiography, 348; diagnosis of brain, in older age groups, 348; surgical management of pancreatic, 368; Brenner, of ovary; report of 9 cases, including one with malignant degeneration, 370; symposium on malignant, of ovary, 371; surgery of large ovarian, 372; sixteen year survival following nephrectomy for embryonal renal, together with contribution to clinical picture and prognosis of juvenile renal, 389; Wilm's; its treatment and prognosis, 389; irradiation fibromatosis and fibrosarcoma, 416; giant parotid; report of case, 458; treatment of mixed parotid, 458; surgical consideration of parotid, 459; glial, of retina in relation to tuberous sclerosis, 461; carotid body, 464; preoperative and postoperative magnesium and calcium blood levels in patients with hypophysial,

467; conservative resection of bronchial tree, 473; benign cystic, of diaphragm, 480; considerations with reference to 27 cases of primary retroperitoneal, 488; pathology of, of renal pelvis and ureter, 498; diagnosis of, of renal pelvis and ureter, 499; prognosis of primary, of renal pelvis and ureter, 499; benign epitheliolymphoid lesions of parotid gland; papillary cystadenoma lymphomatosum and Mikulicz's disease; collective review, 521; clinicopsychologic contribution to plastic surgery used in instance of fibromyxolymphangioma of dorsum of nose, 543; phlebographic study of hemispheric, 545; dermoids and epidermoids of central nervous system; clinical evaluation, 546; metastatic, of brain and their localization, 547; thymogenic, and cysts, 557; Krukenberg, 568; clinical diagnosis and therapy of endometriosis; malignant evolution of endometriosis, 569; placental; hemangiomas, with reference to associated clinical syndrome, 573; primary malignant, of ureter, 576; treatment of urethral, 578; round cell, of bone, 583; roentgenologic examinations with rapid succession of pictures in, of thoracic space, 599; indications for radiotherapy in, of salivary glands, 600; statistical and anatomoclinical considerations in reference to 308 cases of multiple cancer, 603

Twins, Successful homotransplantation of human kidney between identical, 280

Ulcer, Peptic esophagitis, peptic, of esophagus, and marginal esaphagogastric, 37; cortisone in colitis with; final report on therapeutic trial, 42; abnormalities of human superficial cutaneous lymphatics associated with lymphedema, scars, cutaneous autografts, and stasis, 99; subtotal gastrectomy for peptic; 1 year to 4.5 year clinical and laboratory follow-up, 162; deficiency syndromes following gastrectomy for, 163; therapy of perforated peptic and duodenal, 164; primary one-stage proctocolectomy in colitis with, 165; total colectomy for colitis with, 166; colon and anorectum in pediatric practice; collective review, 225; total colectomy and anterior resection of rectum with ileorectal anastomosis; one-stage operation for colitis with, 261; pathology and treatment of venous, of leg, 295; idiopathic chronic colitis with, and regional enterocolitis, 304; concept of etiology of gastric and duodenal; Caldwell lecture, 1955, 359; subtotal gastric resection for acute perforated peptic, 359; considerations in surgical treatment for duodenal, 361; Billroth-I and Polya operations for duodenal; comparison, 361; benign, on greater curvature of stomach; report of 7 proved cases, 411; pseudoulceration of stomach and duodenum produced by traction diverticula, 412; acute upper alimentary tract, and hemorrhage following surgery or traumatic lesions, 482; gastroduodenal, complicating other diseases, 482; cancer development in gastric stump after partial gastrectomy for, 483; hematemesis and melena; with reference to causation and factors influencing mortality from bleeding peptic, 559

Ulna, Fatigue fractures of, 187; restoration of lost rotation of forearm and hand by intentional permanent defect in lower, 505

Ultrasonics in ocular diagnosis, 459

Ureter, Relation of megacolon and megaloureter, 281; cystic dilatation of inferior extremity of, 282; eleven primary tumors of, 282; experimental research on surgery of; further technique for terminoterminal anastamosis with everting sutures, 283; experimental studies of regeneration of, without intubation, 283; case of ureteritis cystica, with concomitant contribution to subject of hypertonia of unilateral renal disease, 389; pathology of tumors of renal pelvis and, 498; diagnosis of tumors of renal pelvis and, 499; prognosis of primary tumors of renal pelvis and, 499; metastatic carcinoma of, 499; observations on ileocystoplasties and ureteroileocystoplasties, 575; primary malignant tumors of, 576

Urethane, Choriocarcinoma treated with, 574

Urethra, Obstruction of, in childhood; use of urethrography in diagnosis, 64; operations on, 65; hemolysis and transurethral resection; review, 284; clinical study of urethral injuries, 391; closure of female, 492; carcinoma of male and female; pathology and diagnosis, 501; carcinoma of female, 571; injuries of bladder and, in fractures of pelvis, 577; operative treatment of strictures of, 577; Johanson urethroplasty in strictures of, 578; treatment of tumors of, 578; experience with Denis-Browne operation for hypospadias, 579

Urethrocele in infant, 61

Urinary tract, Injuries of, in obstetrics and gynecology, 52; observations on, 4 to 7 years after total pelvic exenteration and wet colostomy, 101; pyelectasis, 281; experimental research on ureteral surgery; further technique for terminoterminal anastomosis with everting sutures, 283; experimental studies of regeneration of ureter without intubation, 283; aspects of treatment of tuberculosis of, 285; management of late complications of pelvic irradiation, 285; artificial kidney; casuistics of further 26 cases of acute renal failure with anuria or severe oliguria (urine output less than 300 ml. daily) for 4 to 40 days treated conservatively and, on vital indication, with dialysis (26 cases) and ultrafiltration (1 case) of blood in vivo, and peritoneal irrigation (1 case), 309; clearance tests in urologic disease, 396; surgical treatment of cervicovaginal cancer invading bladder and urethra; indications and results of anterior pelvic exenteration, 489; closure of female urethra, 492; injuries of, resulting from pelvic surgery, 492; functional results of ureterosigmoidostomy after 14 years, 499; influence of diet on citrate excretion of, 502; congenital obstruction of, in children, 503; treatment of infections of, with neomycin, 503; some uses of ileum in urology, 504; observations in ileocystoplasties and ureteroileocystoplasties, 575; studies of incontinence of, in men, 580; postoperative incontinence of, in male, 581

Urine, Serum concentrations and excretion in, following oral administration of penicillin V and comparison with penicillin G, 102

Urografin, Complications of translumbar aortography; explanation and avoidance; experiences with new contrast preparation, 199

Uterine tubes, Preoperative diagnosis of carcinoma of, 47; plastic reconstruction of, using polyethylene catheters, 47; latent tuberculosis of; its radiologic diagnosis, 490

Uterus, Rupture of pregnant, 54; mixed mesodermal tumors of; clinicopathologic study, 171; association of thecoma and adenocarcinoma of, 173; postmenopausal metrorrhagia due to complex hormone secreting tumor of ovary; folliculoma, lutein folliculoma, thecoma; attempt at prognostic interpretation, 174; clinical physiognomy and treatment of some particular types of uterovaginal congenital malformation, 269; behavior of ribonucleinic acid in intraepithelial carcinoma and in precancerous lesions of cervix of; histochemical and histophotometric study, 270; radical vaginal hysterectomy for carcinoma of collum, 270; effect of quinine on human, 272; rupture and perforation of, in association with pregnancy, labor, and puerperium, 273; accidentally encountered cervical cancer, 369; spread of cervical carcinoma, 369; radical vaginal hysterectomy and extraperitoneal pelvic lymphadenectomy for cancer of cervix, 370; possibility of extension of cancer of, in radical surgery,

370; ruptured, 376; cancer of cervix stages 0 and 1; generalities, means of diagnosis, and combined therapy, 489; surgical treatment of cervicovaginal cancer invading bladder and urethra; indications and results of anterior pelvic exenteration, 489; one hundred cases of vaginal hysterectomy, 490; clinical diagnosis and therapy of endometriosis; malignant evolution of endometriosis, 569
Uveitis, Clinical and statistical survey, 141
Uvula, Primary carcinoma of; report of 7 cases, 544

VACUUM extractor, In clinical use, 572; delivery by means of suction cup, 573
Vagina, Treatment of congenital morphologic anomalies of vulva and, 48; clinical physiognomy and treatment of some particular types of uterovaginal congenital malformation, 269; conception and delivery following construction of artificial with report of case, 495
Varices, Evaluation of sotradecol in sclerotherapy of varicose veins; report of cases treated 5 or more years ago, 75; modern viewpoints with reference to injection treatment or operative therapy of veins with, 405; emergency and definitive treatment of bleeding esophageal, 478
Varicocele, Transposition of cord, or funiculus spermaticus, in surgical treatment of, in human being, 182
Veins, Evaluation of sotradecol in sclerotherapy of varicose; report of cases treated 5 or more years ago, 75; phlebitis; study of 748 cases at Boston City Hospital, 75; pathology and treatment of ulcers of leg, 295; surgery of large, 296; two to four year behavior of grafts of, in lower extremities, 297; modern viewpoints with reference to injection treatment or operative therapy of varicose, 405; treatment of phlebitis of lower extremities by ligations of, 591
Vena cava, Ligation of inferior, after nephrectomy, 509
Venography, Intraosseous, in skeletal and soft tissue abnormalities, 516
Virus, Further investigations on, of Behçet's disease, 239
Vitamins, Cataracts in deficiency of; experimental study in turkey embryo, 461
Vulva, Treatment of congenital morphologic anomalies of, and vagina, 48; contribution to study of Paget's disease of, 49; postgranulomatous carcinoma of, 372; primary cancer of, at Institute of Gynecology of University of Brazil, 568

WOUNDS, Re-examination of certain aspects of histogenesis of healing of cutaneous; preliminary report, 203; conservative treatment of gunshot, of arteries, 294; use of scrotal skin to cover defects in groin and pubic area due to, 504; primary excision after third degree burns, 596
Wrist, Arthrodesis of, 186; treatment of fractures and pseudarthrosis of scaphoid with central grafting (autogenous bone peg), 187

ZOOGRAFTING; curious chapter in history of plastic surgery, 207

ABSTRACTS AUTHOR INDEX TO VOLUME 103

Abbott, William E., 81
Abelmann, Walter H., 155
Acheson, Roy M., 599
Actis-Dato, A., 475
Ada, Alexander E. W., 294
Aderhold, K., 95
Aebersold, Paul C., 97
Affley, H. J., 18
Aghina, A., 474
Aho, A., 589
Alcaíno Quinteros, Alfredo, 18
Alder, V. G., 517
Alfano, Guy S., 166
Alha, Anna-Liisa, 47
Allen, Arthur W., 366
Allen, J. Garrott, 81
Altemeier, W. A., 43, 82
Altmann, Franz, 19
Alwall, Nils, 309
Ambrosio, G., 175
Ando, Eikichi, 248
Andreini, Giorgio, 72
Andresen, K. R., 45
Andresen, R. H., 573
Andrew, James D., 171
Andrews, Albert H., Jr., 346
Andrews, Mason C., 47
Andrews, P. S., 584
Andrews, William C., 47
Anger, H. O., 17
Anguli, V. C., 415
Aoyama, Shingo, 267
Aprosio, N., 23
Arconti, John S., 504
Ardran, G. M., 492
Argento, V. D., 261
Ariel, Irving M., 263
Arret, B., 102
Arvidsson, H., 94
Asano, Kenichi, 476
Asherman, Joseph G., 53
Ashley, Franklin L., 18
Ask-Upmark, Erik, 547
Asp, Kari, 597
Augusto, Alipio, 568
Aust, Joseph B., 157
Ayari, H., 45
Azorin, D., 472

Baar, Stella, 414
Babics, A., 178
Bacon, Harry E., 360
Bacsich, P., 101
Badaracco, Julio, 271
Bagg, J. F., 370
Bai, Angel F., 354
Bailo, Piero, 604
Baird, Dugald, 57
Bak, Thaddeus F., 54
Baker, C. G., 357
Baker, Charles P., 478
Baker, Roger, 497
Baker, S. L., 583
Balkissoon, Basdeo, 255
Balmès, A., 472
Bamforth, J., 259
Ban, Ichiro, 494
Banchieri, Renzo Francesco, 385
Banker, D. D., 30
Banuelos, J. A., 362
Barbieri, Giuseppe, 349
Bardiaux, M., 173
Barnes, Malcolm L., 281
Barrett, N. R., 151
Barry, Arthur, 273
Bartecek, Adolph, 347
Bartholomew, R. A., 379
Bartlett, Marshall K., 366, 486
Bartlett, Wayne C., 365
Basek, Milos, 19
Bass, Murray H., 305
Bassett, C. A. L., 292
Bauer, K. H., 300
Bauer, K. M., 64
Baumgart, R., 393
Baur, Hanns, 564
Beal, John M., 363
Beck, Claude S., 36
Beck, Lutwin, 274
Beck, W., 262
Becker, Donald R., 166
Becker, Walter, 240
Beduschi, A., 546
Belcher, J. R., 253
Belcour, J., 236
Bell, Julius W., 240
Bell, Luther G., 259
Bellavia, Attilio, 485
Belton, Kathleen, 410
Beltran de Heredia, J. M., 195
Ben, Max, 308
Beneventi, Francis A., 580
Bennett, George, 17, 141
Benson, Ralph C., 52
Benzer, A., 513, 550
Berchtold, R., 152
Berg, Alfred M., 308
Berg, Harold F., 600
Bergman, Moe, 339
Bergy, Gordon G., 32
Berman, Jacob K., 511
Bernasconi, V., 347, 467, 468, 549
Berner, A., 298
Bernhard, William F., 517
Bernier, L., 568
Bertrand, C., 468
Bertrand, Ivan, 465
Betts, Reeve H., 249
Bickel, G., 202
Bienaymé, Jean, 543
Biggart, J. Henry, 171
Bisgard, J. Dewey, 359
Biskind, John I., 274
Black, Harrison, 154
Blaikley, John B., 378
Blanchard, Oscar, 271
Bland, Edward F., 156
Blank, Leo, 515
Block, Werner, 169
Blomfield, G. W., 96
Blondeau, Philippe, 356
Blount, S. Gilbert, Jr., 34, 474, 515
Blum, Harold F., 311
Boberg-Ans, Jørn, 140
Bocchi, L., 74
Bockus, Henry L., 482
Bogardus, George M., 482
Böhler, Lorenz, 400
Bohlig, Heinz, 552
Boissonnat, Pierre, 61
Boley, James O., 260, 416
Bollack, Claude, 192
Bollack, Claude G., 76
Bolman, R. Morton, 509
Bonati, Piero, 251
Bonenfant, J. L., 568
Bonola, A., 288
Boone, R. D., 519
Borell, Ulf, 516
Borelli, G., 178
Borrie, John, 155
Boscaino, N., 474
Bösch, Johann, 190
Boschann, Hanns-Werner, 491
Bosher, Lewis H., Jr., 37
Bottie, Robert, 385
Bouchet, A., 465
Bourdial, Jean, 542
Bourgeois-Gavardin, M., 198
Bowden, Ruth E. M., 148
Bowers, Ralph F., 261, 544
Bowman, Medford C., 351
Boyan, C. Paul, 301
Brandfass, Robert T., 274
Bret, A. J., 103, 173
Brettner, Joseph C., 167
Brewer, Lyman A., 354
Brewin, E. G., 84
Brewster, William R., Jr., 156
Briganti, Salvatore, 282
Briggs, G. W., 61
Briggs, John D., 18
Brocq, Pierre, 171, 172
Brodie, J., 309
Bromley, L. L., 31
Bronks, Doris, 203
Brooks, James W., 299
Brooks, John, 494
Brost, U., 372
Brown, Charles H., 557
Brown, James Barrett, 204
Brown, Keith Paterson, 241
Bruce, Robert A., 32
Bruck, H., 25
Brunner, A., 250
Brunschwig, Alexander, 101, 171
Brusori, G., 310
Bucalossi, P., 488
Buchanan, James L., 79
Bücherl, E., 553
Büchner, Franz, 414
Bugden, Walter F., 256
Bunker, John P., 485
Burkert, S., 604
Burmeister, Heinz, 355
Burnett, C. W. F., 376
Burns, W. Thomas, 376
Burt, Richard L., 494
Butcher, Harvey R., Jr., 99
Butler, Charles L., 351
Butler, Hildred M., 177
Byrne, John J., 75

Cade, Stanford, 398
Cahn, J., 196
Caithaml, W., 513
Callot, Jacques, 465
Calnan, James, 340
Calvetti, P., 72
Cameron, George, 61
Campan, L., 149
Campbell, J. A., 563
Campbell, J. S., 237
Campbell, Maurice, 357
Campbell, Roy E., 102
Campi, L., 467
Campione, G., 261
Candiani, G. B., 270
Cañizares Verson, Rafael, 550
Cappelen, Chr., 344
Capper, Stanley A., 338
Cara, Maurice, 300
Carey, Margaret, 397
Caroli, J., 45
Carron, Jonas, 61
Casacci, A., 74
Case, Thomas C., 550
Cassinari, V., 347, 549
Caster, Milton P., 439
Cataliotti, F., 519
Cattaneo, A. D., 301
Cavani, A., 69
Cecotto, C., 548
Celio, A., 167
Centaro, A., 573
Chabrier, J., 175
Chamberlain, J. Maxwell, 191, 477
Champion, Randell, 340
Chao, Y. C., 466
Chapman, Earle M., 342
Charnay, P., 40
Chasen, William H., 514
Cheatle, Esther L., 165
Chen, C. G., 486

Chevrot, L., 21
Chiasserini, A., 466
Chiasserini, A., Jr., 466
Chiauzzi, A., 543
Chieppa, Sabino, 264
Childers, John H., 77
Childress, Max E., 478
Chown, Bruce, 175
Christensen, Norman A., 481
Christensen, Robert W., 138
Christopherson, William M., 600
Cibert, J., 279, 282
Cincotti, John J., 477
Ciocatto, E., 301
Claeys, R., 42
Clagett, O. Theron, 471
Clark, Glenn M., 474
Clatworthy, H. William, Jr., 382
Cleaver, H. DeHaven, 159
Cockett, F. B., 295
Coelho, E., 475
Cohn, Isidore, Jr., 105, 562
Coirault, R., 28, 598
Colajanni, L., 347
Colcher, Robert E., 463
Cole, Warren H., 45
Colebrook, Leonard, 380
Collins, E. G., 339
Colonna, Paul C., 189
Columella, F., 347, 467
Colvin, E. D., 379
Conley, John J., 464, 544
Connelly, John P., 497
Connelly, Joseph R., 594
Consolandi, Gianni, 349
Conway, Herbert, 86, 409
Cooley, Jack C., 471
Cooper, Irving S., 347
Cooper, Philip, 103, 162
Cordice, John W. V., Jr., 404
Cordier, G., 490
Corelli, F., 347
Corneli, F., 69
Cornell, George N., 363
Costaz, G., 465
Couch, J. R., 461
Coudreau, H., 28
Counselman, Richard, 494
Courville, Cyril B., 85
Craig, Richard M., 200
Craig, W. S., 162
Crawford, Hugh, 143
Creevy, C. D., 284
Crenshaw, William B., 497
Crone-Münzerbrock, A., 83
Cross, Frederick S., 477
Culberson, John D., 469
Culbertson, W. R., 82
Cuningham, Kathleen, 152
Curzon, G., 206
Da Costa, J. F., 475
Daems, J., 553
Dahlback, O., 592
D'Alo, Roberto, 305
D'Andrea, F., 467
Daniel, William, 101
Dao, Thomas L-Y., 103
Dargent, M., 489
Das, Probodh, 371
Daubenspeck, K., 189
D'Aubigné, R. Merle, 407
Davis, Robert J., 238
Davost, 548
Dean, Archie L., 501
Debain, Jean-Jacques, 542
DeBakey, Michael E., 323
De Bie, F., 166
De Caluwe, J., 511
De Castro, Fernando, 579
De Cesare, E., 158
Decio, R., 573
DeCosta, Edwin J., 573
De Dulácska, Juan, 592
Dees, John E., 499
Defoort, R., 59
De Gironcoli, Franco, 180
Delandtsheer, 545, 545
De la Pena, Alfonso, 579
Dell 'Adami, G., 178
Delmonico, J. Ernest, Jr., 256
Delporte, Tomás V., 571
DeMelenne, A., 168, 591
Demo, Osvaldo, 166
Denck, H., 66
Dennis, Clarence, 268
Dent, C. E., 396
Derra, E., 31
Desaive, P., 153
Desaive, Paul, 603
Descuns, P., 21, 23
Detrie, Ph., 560
Deucher, F., 257, 367
Devas, M. B., 584
De Vernejoul, R., 196
De Vet, A. C., 22
Devik, Finn, 97
DeWall, Richard A., 157
De Wulf, A., 506
Dick, Walter, 594
Dickerson, Andrew J., 494
Dickson, James F., 154
Dieckmann, William J., 58
Dietrich, Herbert J., Jr., 339
Dingman, Reed O., 86
Di Paola, Guillermo, 574
Di Pietro, S., 488
Ditzler, John W., 514
Dixon, Claude F., 362
Dobree, J. H., 239
Dodrill, F. D., 157
Dogliotti, A. M., 32, 475
Donaldson, Gordon A., 366, 486
Dotta, José S., 571
Doubilet, Henry, 367
Douglas, R. Gordon, 599
Dragstedt, Lester R., 359
Draheim, Jerry W., 542
Drapanas, Theodore, 166
Draper, John W., 501
Dreyfuss, Jack R., 299
Dripps, R. D., 85
Dubost, Charles, 356
Dubost, Claude, 543
Duke-Elder, Stewart, 461
Duncan, David, 165
Dunkin, L., 560
Duparc, J., 407
Duperrat, B., 103
Durand, L., 279, 282
Durden, W. F., 299
Duthie, R. B., 183, 583
Du Toit, G. T., 289
Dvorak-Theobald, Georgiana, 141
Dye, W. S., 79
Dye, William S., 79, 297

Earle, Wilton R., 542
Eastwood, Douglas W., 85
Eaton, George O., 290
Ebeling, W. Carl, 485
Eckman, William G., Jr., 152
Edelhoff, J., 76
Edelstein, Richard, 520
Edsall, Geoffrey, 514
Effler, Donald B., 258, 557
Efskind, Leif, 344
Eidenmüller, H., 256
Eisenberg, Isadore J., 238
Ekesparre, W. V., 287, 596
Elfving, Gustaf, 597
Eliasoph, Joan, 307
Elizondo, Eduardo, 550
Ellis, Daniel S., 478, 485
Ellis, F. Henry, Jr., 294, 472, 474
Elzenbaum, H., 357
Emerson, Kendall, Jr., 518
Emertsen, E., 341
Engdahl, Inger, 516
Ennker, Jürgen, 47
Erczy, Miklós, 26
Erlanson, Per, 309
Eschapasse, H., 27
Escue, H. M., 64
Eskelund, Viggo, 557
Eufinger, Hartwig, 519
Euler, Ulf, S., Von., 384
Evans, David L., 187
Evans, Everett Idris, 299
Evans, Virginia J., 542
Evelbauer, K., 572
Everett, Houston S., 492

Fainblat, B. Ya., 36
Falls, Frederick H., 175
Fandrich, T. S., 378
Farley, Deane M., 373
Farris, Charles, 376
Fasiani, G. M., 22, 546
Fauvet, E., 573
Fedon, Mario, 576
Feeney, Kevin, 273
Fehr, A. M., 257
Feil, Harold, 554
Feine, U., 304
Ferey, Daniel, 548
Ferguson, Charles, 61
Ferguson, John H., 382
Ferguson, L. Kraeer, 39
Ferguson, T. M., 461
Fernström, Ingmar, 516
Ferrer, Jose M., Jr., 360
Ferulano, Ottavio, 284
Fetter, Theodore R., 503
Feyrter, F., 49
Fields, Don C., 511
Findlay, Charles W., Jr., 417
Finderle, Viktor, 572
Finotti, A., 378
Fiore, Vincenzo L., 77
First, Howard E., 274
Fischer, A. W., 169
Fischer, Johannes, 392
Fischer-Williams, Mariella, 549
Fish, John S., 379
Fisher, John H., 281
Fitts, William T., Jr., 25
Fitts, W. T., Jr., 469
Fitzpatrick, Vincent de P., 493
Flannery, M. G., 439
Fleming, Harold S., 462
Fleury, Albert F., 86
Flocks, R. H., 578
Fomon, Samuel, 240
Fontaine, R., 293
Forbes, Sherman B., 141
Ford, Lee T., 507
Fornara, P., 103
Forschbach, Gerhard, 27
Forsius, P. I., 462
Fort, S., 27
Foster, H. M., 165
Foti, M., 50
Fowler, Victor B., 498
Fox, Sidney A., 142
Franchebois, P., 75
Frank, Paveo, 205, 205, 206
Franzas, F., 278
Freedman, Eugene, 96
French, A. James, 304
French, Arthur B., 485
French, Lyle A., 248
Fresh, James W., 382
Friedman, Emanuel A., 56
Friedman, Jack, 89
Friesen, Stanley R., 260, 555
Frimann-Dahl, J., 199, 278
Frugoni, P., 548
Fryer, Minot P., 204
Fuchs, Georg, 205
Funck-Brentano, P., 55, 489
Fuster, R., 569

Galibert, 545
Gall, E. B., 152
Gallanis, T. C., 573
Galy, P., 252
Gambescia, J. M., 307
Gambetta, G., 394
Gambetta, Giuseppe, 385
Gandini, Dario, 251
Ganem, Emil J., 284
Ganong, William F., 517
Garcia Ortega, Eduardo, 181
Gardner, J. Scott, 575

Garibaldi, B., 394
Garré, H., 21, 23
Garven, Jean D., 165
Gary, John E., 411
Gastineau, David C., 312
Gautier, R., 510
Geel, O., 198
Gehrig, D., 306
Geiger, Paul E., 90
Geissendörfer, R., 31
Gelbke, H., 143, 587
Gemzell, Carl A., 384
Gensini, Goffredo, 515
Georgiade, Nicholas, 143
Gerbie, Albert B., 573
Gerrard, J. W., 162
Gerrits, J. C., 253
Ghilain, A., 48
Ghosh, A. K., 249
Gibbon, John H., Jr., 38, 154
Gibbons, James L., 165
Gibson, Thomas, 207
Gibson, Thomas E., 387
Gibson, William, 595
Gierhake, Friedrich Wilhelm, 28
Gigl, J., 373
Gillespie, W. A., 517
Gillman, Theodore, 203
Giobbe, S., 467
Girard, J., 28
Girard, M., 27
Gispert, Marta, 550
Giuliani, Giovanni Maria, 182
Glenn, Frank, 157, 404
Glenn, William W. L., 33
Glimcher, Melvin J., 299
Gnüchtel, Wolfgang, 479, 479
Godefroid, L., 573
Goglia, G., 189
Goidanich, I. F., 23, 188
Goin, Lowell S., 516
Golden, Kristian, 175
Golden, Ross, 94
Goldenberg, Ira S., 82
Goldman, Alfred, 353
Goldner, J. Leonard, 70
Goldner, Meyer Z., 89
Goligher, J. C., 361
Gollmann, G., 193
Goodfriend, Milton J., 383
Goodwin, Willard E., 504
Gopinath, N., 249
Gordon, Emeric, 84
Goto, Takeshi, 278
Gottlieb, Otto, 542
Gould, R. P., 84
Graber, H., 567
Granozzi, Tommaso, 282
Grant, Austin R., 477
Grattarola, Renzo, 569
Graveleau, J., 163
Gregoir, W., 390
Grenier, A. J., 103
Griffith, Charles A., 562
Grill, W., 26
Grilli, P. F., 185
Grimes, Wm. H., 379
Grimson, Keith S., 511
Gropler, D., 374
Grossbard, Paul, 379
Grosse-Brockhoff, F., 254
Groszschedl, A., 513
Grote, W., 413
Grotzinger, Paul J., 500
Grove, W. J., 79, 79, 297
Gruber, Ellis, 238
Gruenwald, Peter, 275
Gschnitzer, F., 67
Gschnitzer, Franz, 287
Gucci, G., 33
Guild, Warren R., 280
Guilleminet, M., 67, 68
Gunn, A. A., 563
Gunther, Mavis, 382
Gurdjian, E. S., 21
Gustafson, Ivan J., 482
Guttmann, L., 99

Haag, Werner, 23
Haase, Günther, 74
Haenisch, Günther, 267
Hagelstam, Lars, 150
Hainaut, J., 598
Haines, Gerald L., 248
Hajdu, Nicholas, 94
Hakman, A. F., 253
Hall, J. Edward, 494
Hallberg, O. Erik, 543
Ham, William T., 299
Hämäläinen, Martti Johannes, 145
Hamilton, Joseph E., 481
Hamilton, William K., 85
Hamm, F. Coleman, 283
Hardaway, Robert M., III., 520
Harken, Dwight E., 154, 155
Harkins, Henry N., 403, 562, 592
Harned, Herbert S., 33
Harrison, J. Harold, 299
Harrison, J. Hartwell, 280
Harrison, M. H. M., 400
Hartmann, Gerhard, 389
Hartmann, Kurt, 577
Haupt, George J., 38, 154
Hawthorne, H. R., 164
Hayden, Glen E., 54
Hayem, 568
Hayes, Mark A., 82
Heath, Parker, 239
Hebbel, Robert, 515
Heberer, G., 556
Hegemann, G., 408
Heikkilä, Hilkka, 156
Helden, Rudolph A., 294
Helfet, Arthur J., 508
Hellerstein, H. K., 554
Helsingen, Nils, 483
Herbst, M., 35
Herm, Robert J., 239
Herrmann, Louis G., 76, 192
Hess, W., 167, 266
Hessén, Ingemar, 90
Hettinger, Th., 402
Heuck, F., 199
Heusser, H., 203
Hevelke, G., 510
Hillemand, P., 161
Hillemans, H. G., 50
Hillestad, Leif, 483
Hilscher, Werner, 519
Hines, Edgar A., Jr., 294
Hinman, Frank, Jr., 52
Hinton, J. William, 278
Hodges, Fred J., 89
Hofmans, A. F., 364
Hohenfellner, R., 604
Höjensgard, I. C., 511
Holdsworth, W. G., 237
Hollender, L., 298
Hollstein, Kurt, 373
Holman, J. C., 271
Hoover, Alice L., 99
Horányi, J., 471
Horn, Robert C., Jr., 469
Horowith, S., 483
Horton, Charles E., 139
Horwitz, Irwin D., 20
Houser, Karl Musser, 339
Howard, John M., 323
Howard, Peggy Jean, 378
Howard, Russell, 159
Howard, W. H. R., 382
Howkins, John, 171
Howland, William S., 301
Hoye, Stephen J., 295
Hubacher, O., 200
Hudson, Henry C., 279
Huggin, Perry M., 351
Huggins, Charles, 103
Hughes, C. H., 157
Hughes, E. S. R., 165, 169
Hughes, W. F., Jr., 459
Hugonot, R., 472
Humphreys, George H., II., 417
Hutschenreuter, K., 285
Huu, Nguyen, 294

Idbohrn, H., 592
Ihnen, Menard, 310
Ingalls, Theodore H., 276
Ingebrigtsen, R., 505
Ingelrans, 288, 289, 586, 586, 588
Ingiulla, W., 370
Ipsen, Johannes, Jr., 514
Ireneus, Carl, Jr., 45
Isidor, P., 174
Iversen, Kurt, 343

Jacob, Günter, 552
Jacobs, Adolph, 376
Jacobson, Harold G., 412
Jacquenoud, P., 196
Jaeger, Carl, 33
Jaillette, 288
Janny, 588
Janny, Pierre, 465
Jarniou, A. P., 471, 472
Javalet, 548
Javert, Carl T., 599
Javid, H., 79
Javid, Hushang, 79
Jelliffe, A. M., 415
Jenny, J. W., 272
Jentgens, H., 189
Jerre, Torsten, 399
Jervell, A., 242
Jesseph, John E., 403
Jessiman, Andrew G., 518
Johansson, O., 94
Johns, Alison W., 177
Johnson, Joseph K., 77
Johnson, S. Harris, III., 60
Johnston, Frank R., 494
Jokipii, S. G., 377
Jones, F. Avery, 559
Jones, J. C., 96
Jones, R. Frank, 179
Jones, Wilfred M. G., 354
Jørgensen, Jørgen Balslev, 557
Jørgsholm, Bertel, 516
Judet, Robert, 67
Judy, Hubert, 511
Julian, Ormand C., 79, 79, 297, 509
Juzbasic, D., 552

Kähler, Hans-Joachim, 590
Kajikuri, H., 519
Kalk, H., 565
Kanar, Edmund A., 592
Kanemori, Kanzo, 369
Karcher, H., 41, 306
Katzin, H. M., 16
Kawamura, Yukako, 350
Kay, Earle B., 477
Kay, G. D., 299
Kay, S., 352
Kazanjian, Varaztad H., 138, 459
Kearns, Thomas P., 142
Keefer, Edward B. C., 404
Keeley, John L., 313, 357
Kellar, Robert J., 55
Kellum, A. S., 299
Kelly, Charles R., 472
Kelly, W. D., 483
Kempf, F. K., 251
Kern, Ernst, 487
Kerr, Mary R., 309
Key, J. Albert, 507
Keyssler, H., 353
Kimoto, Seiji, 476
King, W. E., 165
Kinnaird, David W., 308
Kirklin, John W., 474
Kirsch, E., 392
Kirk, Harold Quentin, 141
Kirshbaum, A., 102
Klein, Michael, 274
Klein, Milton D., 383
Klopstock, Robert, 477
Kloss, K., 22
Knutrud, Ola, 45
Koch, Fr. E., 575
Körbler, Juraj, 205, 205, 206
Korth, W., 83
Korthof, G., 363
Kos, C. M., 240
Kourias, B., 594
Kraemer, Willis F., 515
Krebs, Adolph T., 201
Kremen, Arnold J., 342
Kremer, K., 558
Krieger, Harvey, 81
Krupp, Philip J., 376
Kulowski, Jacob, 76
Küntscher, G., 73, 566
Kurokawa, Yoshiyasu, 601
Küss, R., 581

Labet, R., 163
Lacheretz, 288, 289, 586, 586, 588
Lacquet, A., 166
Ladenheim, Jules C., 84
Lafon, J., 163
Laine, 545
Lajos, St., 412
Lamb, D. W., 185
Lamberg, B. A., 462
Lambert, Claude N., 583
Lane, F. W., Jr., 88
Lanfranchi, Robert P., 138
Langston, H. T., 90, 472
Lanier, Raymond R., 515
Laqua, H., 473
Larsson, Lars-Gunnar, 243
Lasser, Elliott C., 516
Lataste, J., 161
Lauricella, Emanuele, 176
Laux, W., 348
Lawley, Margery, 544
Lawrence, Arthur C., 379
Lazorthes, G., 149
Lazzarini, Abel A., Jr., 404
Le Clerc-Dandoy, V., 502
Lederman, M., 338
Leigh, A. G., 140
Leigh, M. Digby, 410
Leighninger, David S., 36
Leitch, O. W., 204
Le Lièvre, Huguette, 174
Lemerre, L., 176
LeMesurier, A. B., 144
Lennard-Jones, J. E., 206
Lennihan, Richard, 517
Lenzi, Eugenio, 50
Leonardi, P., 277
Leopold, I. H., 238, 338
Lepage, F., 176
Lepère, J., 563
Lerch, Hanns, 186
Lessmann, Franz P., 516
Lester, Wm. M., 379
Leupold, F., 199
Levander, G., 173
Levey, Stanley, 81
Levine, Bennett, 309
Lewis, F. J., 153, 476
Lewis, George B., 410
Lewis, Jessica H., 382
Li, M. C., 151
Li, Min C., 151
Lich, Robert, Jr., 281, 499
Linden, L. W. F., 414
Linderholm, Hakan, 147
Linenthal, Arthur J., 595
Linton, Robert R., 77, 78 478
Lipetz, Leo E., 17
Lipsett, M. B., 151
Lipsett, Mortimer B., 151
Lloyd, James, 382
Lloyd, Robert P., 509
Lock, Frank R., 494
Lodenkämper, H., 309
Lodin, Herman, 95
Lofstrom, J. E., 21
Logue, Valentine, 465
Löhr, B., 473
Löhr, Berthold, 30, 160, 479, 479
London, Isabel M., 414
Long, Margaret E., 47
Longrée, H., 480
Looney, Joseph M., 514
Loose, K. E., 510
López Biel, R., 574
Lorbek, W., 25, 554
Lord, Jere W., Jr., 278
Lorhan, Paul H., 486
Lorthioir, J., 556
Lothe, Francis, 97
Löw, K. H., 396
Lowen, Marianne, 177
Lowenberg, Eugene, 405
Lowenstein, Louis, 57
Lübbers, P., 76
Lui, Alfred, 157
Lumb, George, 583
Lund, Robert H., 310
Lund, Rolf, 40
Lura, A., 92
Lurie, A. A., 85
Lyle, Francis M., 459

Maassen, Werner, 28
Macafee, C. H. G., 171
MacAusland, W. Russell, 506
MacCarty, W. C., Jr., 88
MacDonald, Ian, 415
MacGregor, A. G., 96
Machella, Thomas E., 559
MacKenzie, D. H., 583
MacKinlay, C. John, 370
MacLean, Angus L., 460
MacLean, J. P., 151
MacLean, John P., 151
MacLean, John T., 498
MacLennan, W. Donald, 139
Macleod, John, 470
MacMillan, B. G., 43
Madden, John L., 1
Madell, Samuel H., 94
Madier, Claude, 172
Maguda, Thomas A., 544
Maguire, Carter, 139, 143
Mahfouz, Mahmoud M., 491
Maintz, G., 277
Malan, E., 193
Malaspina, Adalberto, 26
Malkmus, S., 556
Malm, Pehr, 186
Maloof, Farahe, 342
Mammana, Caetano Zamitti, 365
Mancuso, Manlio, 268, 485
Mangione, P., 573
Marazzini, Franco, 273
Marberger, H., 578
Marggraf, Wilhelm, 74
Margolis, G., 198, 511
Marinoni, E., 359, 560
Marion, J., 68
Marlière, 289
Marogna, L., 512
Marrangoni, Albert G., 79
Marshak, Richard H., 37, 92, 307
Marshall, Matthew, Jr., 60
Marshall, Victor F., 580
Martin, Robert E., 369
Mascaro, Dorival, 405
Mastandrea, Giuseppe, 70, 186
Mathet, Pierre, 171
Mattheiem, W., 505
Mathieu, F., 581
Mattingly, Richard F., 492
Matzker, Joseph, 240
Maurer, Georg, 349
Maurer, Joseph E., 281
Maurice, D. G., 162
Mauri-Paolini, A., 359, 560
Mawardi, Youssef K., 293
May, F., 65
Mayer, Maurice, 51, 173
McAdams, George B., 517
McAllister, Ferdinand F., 77
McCann, William J., 1
McCaughey, W. T. E., 383
McClintock, Robert, 505
McCormack, Lawrence J., 258
McCown, Ira A., 404
McDonald, John R., 471, 472
McDuff, Henry C., Jr., 369
McElhinney, W. T., 43
McEwen, Currier, 412
McIndoe, Archibald, 514
McKay, Donald G., 520
McLaren, I. F., 563
McLean, John M., 461
McMurrey, James D., 517
McNally, Hugh B., 493
McNeil, N. L., 240
McPherson, Samuel D., Jr., 542
Meessen, H., 254
Melick, W. F., 64
Meloni, Luigi, 375
Melot, G. J., 89
Menendez, C. V., 77
Mercer, Walter, 183, 583
Merenmies, Lauri, 47
Merrill, John P., 280
Merritt, J. W., Jr., 161
Messelt, Olaf T., 272
Metcalf, Paul B., Jr., 162
Mezera, R. A., 64
Michaels, John P., 176
Migliavacca, F., 347, 549
Mikesky, Walter E., 323
Mikulicz-Radecki, F. v., 372
Mill, W. A., 346
Millard, A. H., 174
Miller, Don R., 260, 555
Miller, H., 96
Miller, Horace M., 341
Millet, G., 279, 282
Mimram, R., 555
Minervini, Girolamo Lelio, 287
Mitrah, Subodh, 370, 371
Moberg, Carl H., 557
Mobilio, Gaetano, 283
Mobley, Jack E., 481
Moggian, Giuseppe, 490
Mohardt, John H., 167
Moir, P. J., 361
Molina, Juan, 575
Mombaerts, J., 59
Monod, Olivier, 358
Monod, P., 598
Montgomery, Thaddeus L., 274
Moonen, W. A., 575
Moore, Horace G., Jr., 592
Morel, L., 27
Morello, Aldo, 347
Morello, G., 22, 546
Morgan, C. Naunton, 261
Mori, Victor, 511
Morin, M., 163
Morin, P., 175
Morino, F., 32
Morris, Francis J., 560
Moseley, John E., 305
Mosimann, R., 401
Mostofi, F. K., 500
Mounier-Kuhn, A., 465
Moyse, P., 236
Moyson, Fr., 556
Mueller, K. H., 311
Mukopadhaya, B., 399
Muldoon, James P., 308
Mulé, James G., 495
Mulholland, John H., 367
Müller, E. A., 402
Müller, J. H., 51
Müller, M. E., 290, 586
Mulligan, Lily, 397
Mülly, K., 257
Mundt, G. H., Jr., 459
Munro, Donald, 349
Murakami, Jiro, 248
Muren, A., 592
Murguia de Roso, Elida, 597
Murphy, John J., 285
Murray, Joseph E., 280
Mutch, John, 287
Mutcheson, J. Morrison, Jr., 155

Nabatoff, Robert A., 404
Narducci, Ugo, 493
Naryka, J. J., 64
Nashat, F. S., 84
Nassim, R., 397
Natalini, Ernesto, 268
Nealon, T. F., Jr., 154
Nègre, E., 555
Neill, E., 84
Nelson, M. G., 559
Nemir, Paul, Jr., 164
Nesbit, Reed M., 497, 500
Neuman, Harold W., 472
Neumann, Charles G., 278
Neviaser, Julius S., 187
Newburger, R. A., 307
Newman, Robert W., 351
Nicholas, E., 591
Nichoyanopoulos, J., 554
Nicolas, E., 168
Nicolò, Raffaele, 39
Nigoul, J., 586
Nikas, C., 554
Nobili, L., 378

Noli, Giovanni, 397
Norden, G., 592
Noriega Limón, José, 600
Noring, Ove, 293
Norman, Leona R., 595
Normann, P., 173
Novak, E. R., 372
Nowill, W. K., 198
Nyboer, Jan, 157
Nyhus, Lloyd M., 592
Nyman, Margareta, 309

Oberniedermayr, A., 579
Obrant, Ola, 285
Ochsner, Alton, 164
Ochsner, Seymour, 164, 411
O'Connell, John E. A., 247
O'Conor, Vincent J., 499
Ode, L., 471, 472
Oden, B. O., 161
Odom, Guy L., 548
Oech, S. R., 85
Oeconomos, D., 554
Oeconomos, N., 356, 554
Ogier, E., 49, 370
Ogle, William S., 248
Oka, Naotomo, 278
Olivi, Maria, 349
Olwin, John H., 297, 591
Open Sumeray, M. M., 574
Orgain, Edward S., 384
Orloff, Marshall J., 521
Orr, Thomas G., Jr., 351
Osborne, Rowland, 100
Osmond-Clarke, H., 585
O'Sullivan, Ward D., 157
O'Toole, Daniel M., 274
Ott, W., 195
Otto, John F., Jr., 155
Overholt, R. H., 352
Overhulse, Paul R., 79

Paaby, Henning, 293
Palmer, Ivar, 187
Pampus, F., 413
Pannier, Rob., 553
Papanicolaou, G., 554
Papo, L., 347
Paquin, Albert J., Jr., 66
Paradny, Robert, 43
Parhofer, R., 353
Parker, Roland J., 511
Parkins, William M., 308
Parks, A. G., 80
Parnassa, Peter, 191, 477
Pate, J. W., 292
Patel, J., 161
Patellani, Eugenio, 25
Paton, R. T., 16
Patrick, Robert T., 301
Patterson, Lewis T., 25
Patwardhan, G. N., 371
Patz, Arnall, 142
Paul, Milton H., 595
Peacock, Erle E., Jr., 585
Pearce, John M., 66
Pearson, O. H., 151, 151
Peer, Lyndon A., 312
Pelage, S., 598
Penn, Jack, 203
Penzholz, Helmut, 291
Peräsalo, O., 552
Pérol, E., 465
Pérol, R., 163
Perry, Alan, 307
Perugia, Lamberto, 186
Peterkin, G. A. Grant, 310
Petkovic, S., 59
Petkovic, Sava D., 391
Pettavel, Jacques, 507
Pettersson, G., 245, 266
Peycelon, R., 40
Pfeiffer, K., 303
Pflüger, H., 603
Phéline, C., 468
Philipp, E., 270
Philpott, Newell, 57
Picaud, A. J., 71
Piccinni, Lucio, 260, 477
Pichler, A., 149
Pick, Charles, 57
Pickrell, Kenneth L., 139, 143
Pierce, Charles, 376
Pierce, E. C., 85
Pinoli, G., 269
Pisani, Giovanni, 26
Pla, Hans Werner, 23
Plewes, L. W., 584
Poggioli, J., 27
Poker, Nathaniel, 412
Polvani, Carlo, 305
Pomeranz, Alfred A., 43
Ponseti, Ignacio V., 505
Pool, Thomas L., 502
Popkin, Roy J., 191
Poppel, Maxwell H., 412
Portmann, Michel, 195
Posner, Adolph, 16
Poth, Edgar J., 77
Potter, William H., 166
Pottinger, R. E., 58
Potvliege, R., 89
Powell, Dudley V., 376
Powell, J. H., Jr., 261
Prete, A., 512
Prete, Alberto, 565
Price, Joyce E., 154
Pricolo, V., 488
Prigione, Donato, 570
Primo, G., 478
Prior, John T., 41
Pritchard, Walter H., 554
Pròclémer, A., 184
Prowda, Ralph L., 41
Pugh, David G., 200
Pullar, P., 458
Purandare, B. N., 371
Putnam, L. E., 102
Pyrah, L. N., 387, 504
Pytel, Antonio, 180

Queralt, J. A., 569
Quinby, William C., Jr., 486
Qvigstad, G., 242

Rabwin, Marcus H., 96
Rains, Anthony J. H., 207
Rajam, R. V., 415
Rangiah, P. N., 415
Rannels, Herman W., 572
Ransdell, Herbert T., Jr., 469
Ransom, Henry K., 484
Rantz, Lowell A., 503
Rao, A. R., 415
Raper, F. P., 387
Rathke, F. W., 401
Ratzan, Wilford J., 379
Raven, Ronald W., 261
Read, Raymond C., 157
Redon, Henri, 236
Reece, M. W., 147
Reginster, A., 53
Reid, J. Douglas, 299
Reifferscheid, M., 558, 561
Reimers, C., 585
Reinhardt, K., 303
Reitter, Hans, 250, 470
Remotti, G., 270
Remouchamps, L., 42
Rentzhog, Uno, 44
Rényi-Vámos, 178
Replumaz, P., 40
Réthi, Aurél, 241
Reynolds, D., 548
Reynolds, John T., 45
Rhaney, K., 185
Rhoads, Jonathan E., 308, 368
Ribeiro Sanches, L., 568
Rice, Carl O., 407
Ricci, G., 158
Richard, Claude A., 191
Richard, F., 572
Riches, H. R. C., 497
Ricklin, P., 192
Riedel, K., 587
Rigdon, R. H., 461
Rigler, Leo G., 515
Riordan, Daniel C., 183
Ríoseco, Eduardo, 575
Rippingille, E. V., 157
Risholm, Lars, 482
Ritchie, H. D., 596
Roantree, Robert J., 503
Robbins, John J., 499
Robbins, Laurence L., 599
Robert, R., 364
Robinson, Alan S., 403
Robinson, David W., 416
Robinson, Irwin B., 338
Rockstroh, H., 393
Rodeck, G., 389
Rogers, C. S., 469
Rogers, Wayne S., 275
Römer, K. H., 285
Rojas, Marino, 550
Rones, Benjamin, 460
Rose, F., 23
Rosen, Samuel, 339
Rosenbaum, Paul J., 82
Rosenberg, B. N., 152
Rosenberg, Norman, 414
Roskam, Cl., 168
Roskam, J., 168
Rosolleck, Horst, 311
Roth, James L. A., 482
Rouvillois, Claude, 171
Roux, D., 289
Roux, M., 203, 362
Rowbotham, G. F., 149
Rowe, N. L., 237
Royster, Henry P., 514
Rubens-Duval, 310
Rubin, Philip, 89
Ruding, R., 166
Ruggeri, Enzo, 263, 603
Ruol, A., 277
Rushton, Martin A., 542
Russell, Helen, 260

Sabbatini, Camillo, 33
Sallmann, L. von., 17
Salo, O., 589
Saltzstein, S. L., 372
Samson, Paul C., 478
Sandberg, Ivar R., 158
Sandblom, Ph., 592
Santulli, Thomas V., 360
Sarason, Ernest L., 41
Sarnat, Bernard G., 338
Sauerteig, E., 374
Sauvage, R., 59
Sava, Marcella, 96
Saverio de Sapia, Fr., 187, 189
Saville, Paul D., 397
Savoia, A., 187
Sawyer, P. N., 292
Scanlon, Edward F., 365
Schatzki, Richard, 411
Scannell, J. Gordon, 156
Scarfì, G., 184
Schattner, Alfred, 240
Scheele, R., 573
Schiebel, H. Max, 159
Schiessle, Walter, 358
Schimatzek, A., 385
Schlotter, Hans, 550
Schlumberger, J. R., 364
Schmid, E. E., 64
Schmidt, Günther, 245
Schmiedt, E., 396
Schneider, H., 67
Schneider, Hannes, 185
Schneider, Richard C. 247
Schobinger von Schowingen, Robert, 516
Schrader, E. A., 199
Schröder, Gerd., 206
Schubert, E. v., 369
Schwaiger, M., 311, 357
Schwarz, P., 491
Schweizer, Olga, 302
Scott, L. Stuart, 389
Sciarra, Paschal A., 543
Seal, R. M. E., 174
Selle, Wilbur A., 293
Seemen, H. V., 518
Sellors, T. H., 415, 555
Sénèque, J., 362
Senior, B., 396
Settimi, A., 278, 499
Severinghaus, J. W., 301
Sezer, Necdet, 239
Shahon, D. B., 483
Shallow, Thomas A., 463
Sharnoff, J. G., 370
Shaw, R. E., 513
Sheridan, Joseph T., 404
Shey, Irving Alfred, 383
Shoemaker, William C., 307, 500

Short, D. W., 458
Shulman, Abraham, 379
Shumacker, H. B., Jr., 519
Shumway, Norman E., 153, 476
Siliquini, P. N., 269
Silver, A. Gilbert, 240
Silverberg, Albert, 274
Silverthorne, Ray G., 494
Simmons, C. A., 492
Singher, Heron O., 286
Skillicorn, Stanley A., 259
Slowinski, Eugene J., 273
Smiddy, F. G., 458
Smith, Carey C. K., 558
Smith, Rodney, 94
Smith, Roger F., 79
Smith, Marcus J., 304
Smithers, D. W., 415
Smithwick, R. H., 162
Snitman, Maurice F., 20
Snoeck, J., 48
Snow, P. J. D., 206
Soder, Erich, 160
Söderlund, Sigrid, 485
Solal, René, 490
Solem, Jan H., 45
Solomons, Edward, 495
Som, Max L., 37
Sommerville, T., 309
Sørensen, Hans Rahbek, 557
Soule, Edward H., 200
Spaeth, Edmund B., 238
Spängler, Hans, 245
Spath, Franz, 39
Spellman, M. W., 255
Spigolon, G., 288
Springer, Donald W., 90
Spyker, M. A., 352
Stabert, 548
Stacey, R. S., 206
Stafne, Edward C., 147
Stalport, J., 168, 591
Stark, Richard B., 409, 501
Starke, G., 410
Steele, Marshall K., Jr., 185
Steggall, Clair T., 584
Steinberg, Myron H., 75
Stellar, Stanley, 347
Stemmer, Edward A., 81
Stengel, W., 481
Stephen, C. R., 198, 548
Stephens, F. Douglas, 64
Stevenson, F. Harwood, 397
Stevenson, John K., 403
Stewart, Everett E., 147
Stewart, J. H., 492
Stewart, John D., 166
Stewart, Marcus J., 290
Stienen, G., 309
Stock, Francis E., 25
Stolzer, H., 513, 550
Stone, Peter W., 278
Storaasli, John P., 309
Storer, John B., 201
Stout, A. P., 19
Strahberger, E., 30
Straus, Francis H., 365
Strickler, J. H., 407
Ström, Gunnar, 384
Struppler, V., 405
Stüper, P., 270
Stupfel, M. A., 301
Stuteville, Orion H., 138
Suermondt, W. F., 363
Sugie, Saburo, 476
Swan, Henry, 34
Swenson, Orvar, 281
Sweet, Richard H., 256
Szilagyi, D. Emerick, 79
Szöts, I., 471
Szur, Leon, 31

Tanner, N. C., 39, 558
Tanzer, Radford C., 596
Tarazi, Antone K., 511
Tartock, Donald E., 520
Tatum, Howard J., 495
Tauber, K., 353
Taufic, Mansur, 153
Taylor, Frederic W., 312
Taylor, H. C., Jr., 47
Taylor, R. M., 299
Tedeschi, C. G., 276, 500
Teng, C. C., 16
Terner, Irwin S., 238
Terrasse, Jean, 465
Thanh, Pham Ha, 294
Theander, Georg, 515
Thévenet, A., 472
Thiery, M., 42
Thiery, Michel, 171
Thomas, Clement Price, 473
Thomas, E. E., Jr., 259
Thomas, T., 249
Thompson, Frederick R., 399
Thompson, Gershom J., 502
Thompson, Margaret E. M., 517
Thompson, Vernon P., 584
Thomsen, Gregors, 557
Thomson, A. D., 415
Thoyer-Rozat, J., 490
Thurner, J., 22
Timonen, Sakari, 571
Tinckler, Laurence F., 25
Tobias, C. A., 17
Toda, Takashi, 350
Tölle, K. H., 567
Tönnis, W., 348
Topley, Elizabeth, 414
Tornberg, Axel, 309
Toti, Antonio, 88
Toussaint, J., 505
Treloar, Alan E., 407
Trinchieri, P., 467
Trompke, Rudolf, 164
Truelove, S. C., 42
Tubiana, R., 190, 407
Tumminello, B., 552
Turell, Robert, 43, 209
Turner, T. C., 292
Turner, Viktor, 205, 205, 206
Turunen, Martti, 552
Tyler, Edward T., 286
Tytus, John S., 247
Uebermuth, H., 577
Ulin, Alex W., 307
Ulmer, Wolfgang, 479
Utendorfer, R. W., 338

Vail, Derrick, 460
Vainio, Ilkka, 552
Valentine, Eleanor, 474
Valiente, Miguel A., 360
Vallecillo, Luis A., 43
Vana, August J., 313
Vandam, L. D., 85
Van de Calseyde, P., 553
Vandelli, Italo, 275
Vandenbroucke, J., 166
Vander, S. A., 304
Vander Elst, E., 505
Van Wagoner, F. H., 102
Varco, Richard L., 268
Vars, Harry M., 308
Vartiainen, O., 589
Vary, Edwin P., 361
Vaun, William S., 308
Ventura, Michele, 497
Venturi, R., 23
Vert, S., 176
Viallet, P., 21
Vieten, Heinz, 599
Virshup, Milton, 353
Virtue, Robert W., 34
Viswanathan, G. S., 415
Vivarelli, A., 92
Vogler, E., 193
Vollmar, J., 512
Von Nida, Siegfried, 467
Voogd, Luella B., 376
Vossschulte, K., 45

Wade, J. S. H., 147
Wade, William H., 278
Wagner, Alfred, 30
Wagner, Frederick B., Jr., 463
Wahl, H. R., 165
Wahlberg, P., 462
Wahle, George H., Jr., 520
Walk, L., 90
Wallensten, S., 161
Walmsley, Robert, 287
Walters, Waltman, 565
Wang, C. C., 599
Wang, Kuo-Chen, 301
Wanke, R., 296
Wappenschmidt, J., 413
Wapshaw, Henry, 168
Warden, Herbert E., 157
Warren, Kenneth C., 503
Warren, Richard, 295
Wassner, U. J., 589
Waterhouse, J. A. H., 162
Waterman, G. W., 369
Watson, B. P., 275
Watts, Richard W., 554
Weber, F., 402
Webster, J. E., 21
Webster, Jerome P., 144
Wechsler, Richard L., 482
Weekes, Leroy R., 274
Weil, P., 554
Weinberg, S. R., 283
Weiner, Robert S., 103
Weinrod, N. M., 370
Weis, J., 256
Weisberger, Austin S., 309
Weisz, R., 475
Welbourn, R. B., 559
Welch, C., 17
Welch, H., 102
Weller, E., 596
Wells, R. E., 290
Welti, H., 236
Wenz, Werner, 479
Wenzl, M., 30
Werner, Ivar, 147
Wertheimer, P., 510
West, C. D., 151, 151
West, John P., 294
Westergärd-Nielsen, Vagn, 557
Westman, Axel, 384, 516
Wheeler, Elmer P., 64
Whittemore, Ruth, 33
Wickbom, Ingmar G., 44
Widen, Anders, 187
Widmann, Helmut, 206
Wildegans, H., 265
Wiles, Philip, 584
Williams, A. Wynn, 408
Williams, Roger D., 361
Willmann, Karl Heinz, 599
Wilson, Ben J., 412
Wilson, Edward, 271
Wilson, Hugh E., III., 154
Wilson, John W., 412
Wilson, Norman J., 352
Winkelstein, Asher, 37
Witts, L. J., 42
Wolf, Bernard S., 37, 92
Wolff, John R., 373
Wood, Earl H., 474
Wood, H. B., Jr., 376
Wood, Kenneth, 259
Woodhall, Barnes, 548
Woodruff, J. D., 372
Woods, Francis M., 352
Wright, W. W., 102
Wrigley, J. H., 361
Wyant, Gordon M., 357
Wybar, Kenneth C., 339
Wyburn, G. M., 101

Yarbro, Claude L., 502
Youssef, Abdel Fattah, 491
Ytrehus, O., 242

Zachariae, F., 189
Zachariae, L., 189
Zacharias, F. J., 559
Zaffagnini, Bruno, 283
Zanoli, R., 188
Zaydon, Thomas J., 204
Zech, Ralph K., 592
Zeitlhofer, J., 42
Zenker, R., 152
Zimmerman, Barney, 153
Zincone, Paolo, 397
Zintel, Harold A., 385
Ziperman, H. H., 557
Zoll, Paul M., 595
Zollinger, Robert M., 361
Zuckerman, Conrado, 567

5352

309

16

44

6

8
1

154

2

2

2

7
39

4

53

567